

Tue Dec 30 06:50:35 2003

us-09-895-263b-4.closed.ra1

Page 1

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 29, 2003, 16:31:33 : Search time 21 Seconds
(without alignments)
558.100 Million cell updates/sec

Title: US-09-895-263B-4

Perfect score: 1463
Sequence: 1 MENTENSVDKSKIKLEPKI.....AKQIPCTIVSMITKELYFYH 277

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 277631

Minimum DB seq length: 0
Maximum DB seq length: 277

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database:

Issued Parents AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1463	100.0	277	3	US-08-591-605-2
2	1463	100.0	277	3	US-08-964-308-6
3	1463	100.0	277	3	US-08-462-969B-4
4	1463	100.0	277	3	US-08-964-113-6
5	1463	100.0	277	4	US-09-069-138-6
6	1463	100.0	277	4	US-09-124-934A-4
7	1463	100.0	277	4	US-08-234-251D-4
8	1460	99.8	277	4	US-09-561-756-12
9	1460	99.8	277	4	US-09-227-721-12
10	1460	99.8	277	4	US-08-983-502-30
11	1460	99.8	277	4	US-08-724-378D-5
12	1460	99.8	277	4	US-09-516-747-30
13	1460	99.8	277	5	PCT-US96-10521-30
14	1453	99.3	277	3	US-08-964-308-10
15	1453	99.3	277	3	US-08-964-313-10
16	1453	99.3	277	3	US-09-069-138-10
17	1304	89.1	277	2	US-08-890-542A-2
18	761	52.0	148	3	US-08-964-308-11
19	761	52.0	148	3	US-08-964-313-11
20	761	52.0	148	3	US-09-069-138-11
21	418.5	28.6	204	1	US-08-146-925-7
22	418.5	28.6	204	2	US-09-146-931-7
23	418.5	28.6	204	2	US-08-896-885-7
24	418.5	28.6	204	4	US-09-375-256-7
25	418.5	28.6	204	4	US-09-376-156-7
26	347.5	23.4	266	4	US-08-983-502-20
27	347.5	23.4	266	4	US-09-516-747-20

28	342.5	23.4	266	5	PCT-US96-10521-20	Sequence 20, Appl
29	298	20.4	203	3	US-08-852-936C-4	Sequence 4, Appl
30	298	20.4	203	3	US-09-300-328-4	Sequence 4, Appl
31	274	18.7	260	4	US-09-187-789-2	Sequence 2, Appl
32	274	18.7	260	4	US-09-139-600-2	Sequence 2, Appl
33	273.5	18.7	242	4	US-09-187-789-5	Sequence 3, Appl
34	250	17.1	51	4	US-09-187-789-34	Sequence 34, Appl
35	250	17.1	51	4	US-09-139-600-29	Sequence 27, Appl
36	244	16.7	58	4	US-09-187-789-27	Sequence 27, Appl
37	244	16.7	58	4	US-09-139-600-22	Sequence 9, Appl
38	229.5	15.7	214	4	US-09-187-789-9	Sequence 33, Appl
39	217	14.8	42	4	US-09-139-600-28	Sequence 28, Appl
40	217	14.8	42	4	US-08-394-189B-22	Sequence 22, Appl
41	205.5	14.0	223	2	US-09-187-789-7	Sequence 7, Appl
42	204.5	14.0	230	4	US-09-187-789-30	Sequence 30, Appl
43	191	13.1	39	4	US-09-139-600-25	Sequence 25, Appl
44	191	13.1	39	4	US-09-187-789-28	Sequence 28, Appl
45	190	13.0	47	4	US-09-187-789-28	Sequence 28, Appl

ALIGNMENTS

RESULT 1
US-08-591-605-2
Sequence 2, Application US/08591605
Patent No. 6060238
GENERAL INFORMATION:
APPLICANT: Dixit, Vishva M.
TITLE OF INVENTION: METHOD AND COMPOSITION FOR REGULATING
TITLE OF INVENTION: APOPTOSIS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/591.605
FILING DATE: 09-FEB-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: KONGKI, ANTOINETTE F.
REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 20344-21036.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 813-5600
TELEFAX: (415) 494-0792
TELEX: 706411 MRSNFOR SFO
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-591-605-2
Query Match 100.0% Score 1463; DB 3; Length 277;
Best Local Similarity 100.0%; Pred. No. 2.2e-161;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1 MENTENSVDKSKIKLEPKIHGSGMSDGLSDNSYKDYPEMGLCIINNKPHKSTG 60
Db 1 MENTENSVDKSKIKLEPKIHGSGMSDGLSDNSYKDYPEMGLCIINNKPHKSTG 60
OY 61 MTRSGTDVDANLAFETRNKLYEVRNNDLTREIVELMEDVSKEDHSKSSFFCVLLS 120

DB 61 MRSRSGTDVDAANLRETFRNLYKYEVANNKNDLTREIIVELMRDVSXEDHSKSSFFVCVLLS 120
QY 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
DB 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVEADFLYAVSTAPGYYSWRNSKDSGSMFIQSLCAMLKQYADKLEFVHILTRVN 240
DB 181 DMACHKIPVEADFLYAVSTAPGYYSWRNSKDSGSMFIQSLCAMLKQYADKLEFVHILTRVN 240
QY 241 RKVATEPESFSPDATHAKQIPCIYSMLTKELYFVH 277
DB 241 RKVATEPESFSPDATHAKQIPCIYSMLTKELYFVH 277

RESULT 2

US-08-964-308-6
Sequence 6, Application US/08964308
Patent No. 6066715
GENERAL INFORMATION:
APPLICANT: DESVARAIS, SYLVIE
APPLICANT: FRISEN, RICHARD
APPLICANT: ZAMBONI, ROBERT
TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
TITLE OF INVENTION: BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROBERT J. NORTH - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/964,308
FILING DATE: 04-NOV-1996
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: NORTH, ROBERT J.
REGISTRATION NUMBER: 27,366
REFERENCE/DOCKET NUMBER: 19840 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-7262
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-964-308-6

Query Match 100.0%; Score 1463; DB 3; Length 277;
Best Local Similarity 100.0%; Pred. No. 2.2e-161;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKIKLEPKITIHGSSMSGSLDWSYKDDYPMGLCIITNNKPHKSTG 60
DB 1 MENTENSVDKSKIKLEPKITIHGSSMSGSLDWSYKDDYPMGLCIITNNKPHKSTG 60
QY 61 MRSRSGTDVDAANLRETFRNLYKYEVANNKNDLTREIIVELMRDVSXEDHSKSSFFVCVLLS 120
DB 61 MRSRSGTDVDAANLRETFRNLYKYEVANNKNDLTREIIVELMRDVSXEDHSKSSFFVCVLLS 120
QY 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180

DB 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVEADFLYAVSTAPGYYSWRNSKDSGSMFIQSLCAMLKQYADKLEFVHILTRVN 240
DB 181 DMACHKIPVEADFLYAVSTAPGYYSWRNSKDSGSMFIQSLCAMLKQYADKLEFVHILTRVN 240
QY 241 RKVATEPESFSPDATHAKQIPCIYSMLTKELYFVH 277
DB 241 RKVATEPESFSPDATHAKQIPCIYSMLTKELYFVH 277

RESULT 3

US-08-462-969B-4
Sequence 4, Application US/08462969B
Patent No. 6087150
GENERAL INFORMATION:
APPLICANT: He, Wei-wu et al.
TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme
TITLE OF INVENTION: Like Apoptosis Protease 3 and 4
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Ave.
CITY: Rockville
STATE: MD
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/462,969B
FILING DATE: 05-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/334,251
FILING DATE: 11-NOV-1994
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PFL40P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8604
TELEFAX: 301-309-8439
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-462-969B-4

Query Match 100.0%; Score 1463; DB 3; Length 277;
Best Local Similarity 100.0%; Pred. No. 2.2e-161;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKIKLEPKITIHGSSMSGSLDWSYKDDYPMGLCIITNNKPHKSTG 60
DB 1 MENTENSVDKSKIKLEPKITIHGSSMSGSLDWSYKDDYPMGLCIITNNKPHKSTG 60
QY 61 MRSRSGTDVDAANLRETFRNLYKYEVANNKNDLTREIIVELMRDVSXEDHSKSSFFVCVLLS 120
DB 61 MRSRSGTDVDAANLRETFRNLYKYEVANNKNDLTREIIVELMRDVSXEDHSKSSFFVCVLLS 120
QY 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
DB 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVEADFLYAVSTAPGYYSWRNSKDSGSMFIQSLCAMLKQYADKLEFVHILTRVN 240

Db 181 DMACHKIPEADFLVAYSTAPGYSWRNSKDGSMFISLCLMCKQYADKLEFMMILTRVN 240
Qy 241 RKVATEFESFSDATFAKQIPICVSMILTELYFYH 277
Db 241 RKVATEFESFSDATFAKQIPICVSMILTELYFYH 277

RESULT 4
US-08-964-313-6
Sequence 6, Application US/08964313

Patent No. 6114132
GENERAL INFORMATION:
APPLICANT: DESMARAIS, SYLVIE
APPLICANT: FRIESEN, RICHARD
APPLICANT: GRESSER, MICHAEL
APPLICANT: KENNEDY, BRIAN
APPLICANT: NICHOLSON, DONALD
APPLICANT: RAMACHANDRAN, CHIDAMBARAN
APPLICANT: SKOREY, KATHRYN
APPLICANT: FORD-HUTCHINSON, ANTHONY
TITLE OF INVENTION: PHOSPHATASE BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/964,313
FILING DATE: 04-NOV-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/030,408
FILING DATE: 04-NOV-1996
APPLICATION NUMBER: PCT/CA97/00825
FILING DATE: 03-NOV-1996
ATTORNEY/AGENT INFORMATION:
NAME: DURETTE, PHILIPPE L.
REGISTRATION NUMBER: 35,125
REFERENCE/DOCKET NUMBER: 19824Y
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-4568
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-964-313-6

Query Match 100.0%; Score 1463; DB 3; Length 277;
Best Local Similarity 100.0%; Pred. No. 2.2e-161;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MENTENSVDKSKIKLEKIIHGSSMDGSLNSYKMDYPMGLCIINNKKPHKSTG 60
Db 1 MENTENSVDKSKIKLEKIIHGSSMDGSLNSYKMDYPMGLCIINNKKPHKSTG 60
Qy 61 MTSRSGTDVDANLRETFPNLKYEVRNKNDLTREIIVELMDVSKEDHSKSSFCVLLS 120
Db 61 MTSRSGTDVDANLRETFPNLKYEVRNKNDLTREIIVELMDVSKEDHSKSSFCVLLS 120

Qy 121 HGBEGIIETGNPVDLKKITNFERGDRSLTGKPKLIIACRGTELDGCIETDSGYDD 180
Db 121 HGBEGIIETGNPVDLKKITNFERGDRSLTGKPKLIIACRGTELDGCIETDSGYDD 180
Qy 181 DMACHKIPEADFLVAYSTAPGYSWRNSKDGSMFISLCLMCKQYADKLEFMMILTRVN 240
Db 181 DMACHKIPEADFLVAYSTAPGYSWRNSKDGSMFISLCLMCKQYADKLEFMMILTRVN 240
Qy 241 RKVATEFESFSDATFAKQIPICVSMILTELYFYH 277
Db 241 RKVATEFESFSDATFAKQIPICVSMILTELYFYH 277

RESULT 5
US-09-069-138-6
Sequence 6, Application US/09069138

Patent No. 6348572
GENERAL INFORMATION:
APPLICANT: DESMARAIS, SYLVIE
APPLICANT: DURESNE, CLAUDE
APPLICANT: FRIESEN, RICHARD
APPLICANT: LEBLANC, YVES
APPLICANT: ROY, PATRICK
APPLICANT: YOUNG, ROBERT N.
TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
TITLE OF INVENTION: BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/069,138
FILING DATE: 29-APR-1998
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: DURETTE, PHILIPPE L.
REGISTRATION NUMBER: 35,125
REFERENCE/DOCKET NUMBER: 19840YIA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-4568
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-069-138-6

Query Match 100.0%; Score 1463; DB 4; Length 277;
Best Local Similarity 100.0%; Pred. No. 2.2e-161;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MENTENSVDKSKIKLEKIIHGSSMDGSLNSYKMDYPMGLCIINNKKPHKSTG 60
Db 1 MENTENSVDKSKIKLEKIIHGSSMDGSLNSYKMDYPMGLCIINNKKPHKSTG 60
Qy 61 MTSRSGTDVDANLRETFPNLKYEVRNKNDLTREIIVELMDVSKEDHSKSSFCVLLS 120
Db 61 MTSRSGTDVDANLRETFPNLKYEVRNKNDLTREIIVELMDVSKEDHSKSSFCVLLS 120

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QY 121 HGEEGIIFGTNGPVLDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGIEITDSGVD 180
Db 121 HGEEGIIFGTNGPVLDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGIEITDSGVD 180
QY 181 DMACHKIPVADFLVASTAPGYYSWNSKDSGSMFIOSLCAMLKQYADKLEFMHILTRVN 240
Db 181 DMACHKIPVADFLVASTAPGYYSWNSKDSGSMFIOSLCAMLKQYADKLEFMHILTRVN 240
QY 241 RKVATEFESFSDATFAHAKQIPCIYSMLTKELYFYH 277
Db 241 RKVATEFESFSDATFAHAKQIPCIYSMLTKELYFYH 277

RESULT 6
US-09-124-934A-4
; Sequence 4, Application US/09124934A
; Patent No. 6495519
; GENERAL INFORMATION:
; APPLICANT: He, Wei-Mu et al.
; TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease 3 an
; FILE REFERENCE: P14001
; CURRENT APPLICATION NUMBER: US/09/124,934A
; CURRENT FILING DATE: 1994-11-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 277
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-124-934A-4

Query Match 100.0%; Score 1463; DB 4; Length 277;
Best Local Similarity 100.0%; Pred. No. 2.2e-161;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSIKNLEPKIIHGESMSDGSISLDSYKMDYPMGGLCIINNKNFKHSTG 60
Db 1 MENTENSVDKSIKNLEPKIIHGESMSDGSISLDSYKMDYPMGGLCIINNKNFKHSTG 60
QY 61 MTSRSGTDVDAANLRETFRNLYEVRKNNDLTREIIVELMDVSKEDHSKRSSFVCVLLS 120
Db 61 MTSRSGTDVDAANLRETFRNLYEVRKNNDLTREIIVELMDVSKEDHSKRSSFVCVLLS 120
QY 121 HGEEGIIFGTNGPVLDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGIEITDSGVD 180
Db 121 HGEEGIIFGTNGPVLDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGIEITDSGVD 180
QY 181 DMACHKIPVADFLVASTAPGYYSWNSKDSGSMFIOSLCAMLKQYADKLEFMHILTRVN 240
Db 181 DMACHKIPVADFLVASTAPGYYSWNSKDSGSMFIOSLCAMLKQYADKLEFMHILTRVN 240
QY 241 RKVATEFESFSDATFAHAKQIPCIYSMLTKELYFYH 277
Db 241 RKVATEFESFSDATFAHAKQIPCIYSMLTKELYFYH 277

RESULT 7
US-08-334-251D-4
; Sequence 4, Application US/08334251D
; Patent No. 6538121
; GENERAL INFORMATION:
; APPLICANT: He et al.
; TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease 3 an
; FILE REFERENCE: P140
; CURRENT APPLICATION NUMBER: US/08/334,251D
; CURRENT FILING DATE: 1994-11-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-334-251D-4

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Query Match 100.0%; Score 1463; DB 4; Length 277;
Best Local Similarity 100.0%; Pred. No. 2.2e-161;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSIKNLEPKIIHGESMSDGSISLDSYKMDYPMGGLCIINNKNFKHSTG 60
Db 1 MENTENSVDKSIKNLEPKIIHGESMSDGSISLDSYKMDYPMGGLCIINNKNFKHSTG 60
QY 61 MTSRSGTDVDAANLRETFRNLYEVRKNNDLTREIIVELMDVSKEDHSKRSSFVCVLLS 120
Db 61 MTSRSGTDVDAANLRETFRNLYEVRKNNDLTREIIVELMDVSKEDHSKRSSFVCVLLS 120
QY 121 HGEEGIIFGTNGPVLDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGIEITDSGVD 180
Db 121 HGEEGIIFGTNGPVLDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGIEITDSGVD 180
QY 181 DMACHKIPVADFLVASTAPGYYSWNSKDSGSMFIOSLCAMLKQYADKLEFMHILTRVN 240
Db 181 DMACHKIPVADFLVASTAPGYYSWNSKDSGSMFIOSLCAMLKQYADKLEFMHILTRVN 240
QY 241 RKVATEFESFSDATFAHAKQIPCIYSMLTKELYFYH 277
Db 241 RKVATEFESFSDATFAHAKQIPCIYSMLTKELYFYH 277

RESULT 8
US-09-561-756-12
; Sequence 12, Application US/09561756
; Patent No. 6376226
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
; FILE REFERENCE: 480140.431
; CURRENT APPLICATION NUMBER: US/09/561,756
; CURRENT FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: 09/227,721
; PRIOR FILING DATE: 1999-01-08
; NUMBER OF SEQ ID NOS: 116
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 12
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-561-756-12

Query Match 99.8%; Score 1460; DB 4; Length 277;
Best Local Similarity 99.8%; Pred. No. 4.9e-161;
Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSIKNLEPKIIHGESMSDGSISLDSYKMDYPMGGLCIINNKNFKHSTG 60
Db 1 MENTENSVDKSIKNLEPKIIHGESMSDGSISLDSYKMDYPMGGLCIINNKNFKHSTG 60
QY 61 MTSRSGTDVDAANLRETFRNLYEVRKNNDLTREIIVELMDVSKEDHSKRSSFVCVLLS 120
Db 61 MTSRSGTDVDAANLRETFRNLYEVRKNNDLTREIIVELMDVSKEDHSKRSSFVCVLLS 120
QY 121 HGEEGIIFGTNGPVLDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGIEITDSGVD 180
Db 121 HGEEGIIFGTNGPVLDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGIEITDSGVD 180
QY 181 DMACHKIPVADFLVASTAPGYYSWNSKDSGSMFIOSLCAMLKQYADKLEFMHILTRVN 240
Db 181 DMACHKIPVADFLVASTAPGYYSWNSKDSGSMFIOSLCAMLKQYADKLEFMHILTRVN 240
QY 241 RKVATEFESFSDATFAHAKQIPCIYSMLTKELYFYH 277
Db 241 RKVATEFESFSDATFAHAKQIPCIYSMLTKELYFYH 277

RESULT 9

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US-09-227-721-12
Sequence 12, Application US/09227721
Patent No. 6379950
GENERAL INFORMATION:
APPLICANT: Alnemri, Emad S.
TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
TITLE OF INVENTION: THEREOF
FILE REFERENCE: 480140.431
CURRENT APPLICATION NUMBER: US/09/227,721
CURRENT FILING DATE: 1999-01-08
NUMBER OF SEQ ID NOS: 116
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 12
LENGTH: 277
TYPE: prt
ORGANISM: Homo sapien
US-09-227-721-12
Query Match 99.8%; Score 1460; DB 4; Length 277;
Best Local Similarity 99.6%; Pred. No. 4,9e-161;
Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENTENSVDSKSIKNEPKIHHGSESDSGISLDSNYKMDYPEMGLCIINNNKFKSTG 60
DB 1 MENTENSVDSKSIKNEPKIHHGSESDSGISLDSNYKMDYPEMGLCIINNNKFKSTG 60
QY 61 MTSRSGTDVDAANLRETFENLKYEVNKNKDLTBEIIVELMRDVSKEHRSKRSFVCVLLS 120
DB 61 MTSRSGTDVDAANLRETFENLKYEVNKNKDLTBEIIVELMRDVSKEHRSKRSFVCVLLS 120
QY 121 HGEGLIFGTNGVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGVD 180
DB 121 HGEGLIFGTNGVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVADFLVASTAPGYYSWNSKDGSWFIQSLCAMLKQYADKLEFWHILTRVN 240
DB 181 DMACHKIPVADFLVASTAPGYYSWNSKDGSWFIQSLCAMLKQYADKLEFWHILTRVN 240
QY 241 RKVATFEFSFDPATFAKQIPICTIVMLTKELYFYH 277
DB 241 RKVATFEFSFDPATFAKQIPICTIVMLTKELYFYH 277
RESULT 10
US-08-983-502-30
Sequence 30, Application US/08983502
Patent No. 6399327
GENERAL INFORMATION:
APPLICANT: David WALLACH
APPLICANT: Mark P. BOLDIN
APPLICANT: Tanya M. GONCHAROV
APPLICANT: Yuri V. GOLITSEV
TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
TITLE OF INVENTION: AND OTHER PROTEINS
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Browdy and Neimark
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/983,502
FILING DATE: 16-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10521
FILING DATE: 14-JUN-1996

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH=19
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-983-502-30
Query Match 99.8%; Score 1460; DB 4; Length 277;
Best Local Similarity 99.6%; Pred. No. 4,9e-161;
Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENTENSVDSKSIKNEPKIHHGSESDSGISLDSNYKMDYPEMGLCIINNNKFKSTG 60
DB 1 MENTENSVDSKSIKNEPKIHHGSESDSGISLDSNYKMDYPEMGLCIINNNKFKSTG 60
QY 61 MTSRSGTDVDAANLRETFENLKYEVNKNKDLTBEIIVELMRDVSKEHRSKRSFVCVLLS 120
DB 61 MTSRSGTDVDAANLRETFENLKYEVNKNKDLTBEIIVELMRDVSKEHRSKRSFVCVLLS 120
QY 121 HGEGLIFGTNGVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGVD 180
DB 121 HGEGLIFGTNGVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVADFLVASTAPGYYSWNSKDGSWFIQSLCAMLKQYADKLEFWHILTRVN 240
DB 181 DMACHKIPVADFLVASTAPGYYSWNSKDGSWFIQSLCAMLKQYADKLEFWHILTRVN 240
QY 241 RKVATFEFSFDPATFAKQIPICTIVMLTKELYFYH 277
DB 241 RKVATFEFSFDPATFAKQIPICTIVMLTKELYFYH 277
RESULT 11
US-08-724-378D-5
Sequence 5, Application US/08724378D
Patent No. 6512104
GENERAL INFORMATION:
APPLICANT: JUAN, SHAO-CHIEH
APPLICANT: FLETCHER, FREDERICK A.
APPLICANT: PATTERSON, SCOTT D.
TITLE OF INVENTION: INTERLEUKIN 1-BETA CONVERTING ENZYME LIKE CYSTEINE
TITLE OF INVENTION: PROTEASE
FILE REFERENCE: 06843-0019-00000
CURRENT APPLICATION NUMBER: US/08/724,378D
CURRENT FILING DATE: 1996-10-01
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 5
LENGTH: 277

Tue Dec 30 06:50:35 2003

us-09-895-263b-4.closed.rat

Page 6

TYPE: PRT
ORGANISM: Homo sapiens
US-08-724-378D-5

Query Match 99.8%; Score 1460; DB 4; Length 277;
Best Local Similarity 99.6%; Pred. No. 4.9e-161;
Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKIKNLEPKTIHGSSEMSDGSISLDSNYKMDYPMGICIIINNNKPKKSTG 60
DB 1 MENTENSVDKSKIKNLEPKTIHGSSEMSDGSISLDSNYKMDYPMGICIIINNNKPKKSTG 60
QY 61 MTSRSGTDVDAANLRETFRLNLTKEVRNKNDLTREIYELMRDYSKEDHSKRSSFVCVLLS 120
DB 61 MTSRSGTDVDAANLRETFRLNLTKEVRNKNDLTREIYELMRDYSKEDHSKRSSFVCVLLS 120
QY 121 HGEGBIIFGTNGPVDLKKITNFFRGDRCSLTGPKPLFIIOACRGTELDGCIETDSGVD 180
DB 121 HGEGBIIFGTNGPVDLKKITNFFRGDRCSLTGPKPLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVADFLYASTAPGYYSWNSKDGSWFIQSLCAMLKQYADKLEFPHILTRVN 240
DB 181 DMACHKIPVADFLYASTAPGYYSWNSKDGSWFIQSLCAMLKQYADKLEFPHILTRVN 240
QY 241 RKVATEFESFSDATFPAKKQIPCIIVSMLTKEIYFYH 277
DB 241 RKVATEFESFSDATFPAKKQIPCIIVSMLTKEIYFYH 277

RESULT 12
US-09-516-747-30
Sequence 30, Application US/09516747
Patent No. 6586571
GENERAL INFORMATION:
APPLICANT: David WALLACH
Mark P. BOLDIN
Tanya M. GONCHAROV
Yury V. GOLTSSEV

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
AND OTHER PROTEINS

NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Browdy and Neimark
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/516,747
FILING DATE: 01-Mar-2000
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/963,502
FILING DATE: 15-JUL-1995
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH-19

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 30:
US-09-516-747-30

Query Match 99.8%; Score 1460; DB 4; Length 277;
Best Local Similarity 99.6%; Pred. No. 4.9e-161;
Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKIKNLEPKTIHGSSEMSDGSISLDSNYKMDYPMGICIIINNNKPKKSTG 60
DB 1 MENTENSVDKSKIKNLEPKTIHGSSEMSDGSISLDSNYKMDYPMGICIIINNNKPKKSTG 60
QY 61 MTSRSGTDVDAANLRETFRLNLTKEVRNKNDLTREIYELMRDYSKEDHSKRSSFVCVLLS 120
DB 61 MTSRSGTDVDAANLRETFRLNLTKEVRNKNDLTREIYELMRDYSKEDHSKRSSFVCVLLS 120
QY 121 HGEGBIIFGTNGPVDLKKITNFFRGDRCSLTGPKPLFIIOACRGTELDGCIETDSGVD 180
DB 121 HGEGBIIFGTNGPVDLKKITNFFRGDRCSLTGPKPLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVADFLYASTAPGYYSWNSKDGSWFIQSLCAMLKQYADKLEFPHILTRVN 240
DB 181 DMACHKIPVADFLYASTAPGYYSWNSKDGSWFIQSLCAMLKQYADKLEFPHILTRVN 240
QY 241 RKVATEFESFSDATFPAKKQIPCIIVSMLTKEIYFYH 277
DB 241 RKVATEFESFSDATFPAKKQIPCIIVSMLTKEIYFYH 277

RESULT 13
PCT-US96-10521-30
Sequence 30, Application PC/TUS9610521
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
AND OTHER PROTEINS
NUMBER OF SEQUENCES: 34
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10521
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,615
FILING DATE: 15-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-10521-30

Query Match 99.8%; Score 1460; DB 5; Length 277;
Best Local Similarity 99.6%; Pred. No. 4,9e-161;
Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKIKLEPKIIHGESMDGSLDINSYKNDYPMGICIIINNNKPKKSTG 60
DB 1 MENTENSVDKSKIKLEPKIIHGESMDGSLDINSYKNDYPMGICIIINNNKPKKSTG 60
QY 61 MTSRSGTDVDAANLRETFRLKTEVRKNDLTREELVELMRDYSKEDHSKRSSFVCLLS 120
DB 61 MTSRSGTDVDAANLRETFRLKTEVRKNDLTREELVELMRDYSKEDHSKRSSFVCLLS 120
QY 121 HGEEGIIFGTNGPYDLKKTINFRGDCRSITGPKLFIIOACRGTELDGCIETDSGVD 180
DB 121 HGEEGIIFGTNGPYDLKKTINFRGDCRSITGPKLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVADFLYASTAPGYYSWNSKDGSMFIOSLCAMLKQYADKLEFPHILTRVN 240
DB 181 DMACHKIPVADFLYASTAPGYYSWNSKDGSMFIOSLCAMLKQYADKLEFPHILTRVN 240
QY 241 RKVATEFESFSDATFPAKKQIPCIIVSMLTRELYFYH 277
DB 241 RKVATEFESFSDATFPAKKQIPCIIVSMLTRELYFYH 277

RESULT 14

US-08-964-308-10
Sequence 10, Application US/08964308
Patent No. 6066715

GENERAL INFORMATION:

APPLICANT: DESMARAIS, SYLVIE
APPLICANT: FRIESEN, RICHARD
APPLICANT: ZAMBONI, ROBERT
TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
TITLE OF INVENTION: BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROBERT J. NORTH - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy Diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/964,308
FILING DATE: 04-NOV-1996
CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: NORTH, ROBERT J.
REGISTRATION NUMBER: 27,366
REFERENCE/DOCKET NUMBER: 19840 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-7262
TELEFAX: 732-594-4720
TELEX:

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide

US-08-964-308-10

Query Match 99.3%; Score 1453; DB 3; Length 277;
Best Local Similarity 99.6%; Pred. No. 3.2e-160;
Matches 276; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKIKLEPKIIHGESMDGSLDINSYKNDYPMGICIIINNNKPKKSTG 60
DB 1 MENTENSVDKSKIKLEPKIIHGESMDGSLDINSYKNDYPMGICIIINNNKPKKSTG 60
QY 61 MTSRSGTDVDAANLRETFRLKTEVRKNDLTREELVELMRDYSKEDHSKRSSFVCLLS 120
DB 61 MTSRSGTDVDAANLRETFRLKTEVRKNDLTREELVELMRDYSKEDHSKRSSFVCLLS 120
QY 121 HGEEGIIFGTNGPYDLKKTINFRGDCRSITGPKLFIIOACRGTELDGCIETDSGVD 180
DB 121 HGEEGIIFGTNGPYDLKKTINFRGDCRSITGPKLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVADFLYASTAPGYYSWNSKDGSMFIOSLCAMLKQYADKLEFPHILTRVN 240
DB 181 DMACHKIPVADFLYASTAPGYYSWNSKDGSMFIOSLCAMLKQYADKLEFPHILTRVN 240
QY 241 RKVATEFESFSDATFPAKKQIPCIIVSMLTRELYFYH 277
DB 241 RKVATEFESFSDATFPAKKQIPCIIVSMLTRELYFYH 277

RESULT 15

US-08-964-313-10
Sequence 10, Application US/08964313
Patent No. 6114132

GENERAL INFORMATION:

APPLICANT: DESMARAIS, SYLVIE
APPLICANT: FRIESEN, RICHARD
APPLICANT: GRESSER, MICHAEL
APPLICANT: KENNEDY, BRIAN
APPLICANT: NICHOLSON, DONALD
APPLICANT: RAMACHANDRAN, CHIDAMBARAN
APPLICANT: SKOREY, KATHRYN
APPLICANT: FORD-HUTCHINSON, ANTHONY
TITLE OF INVENTION: PHOSPHATASE BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/964,313
FILING DATE: 04-NOV-1997
CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/030,408
FILING DATE: 04-NOV-1996
APPLICATION NUMBER: PCT/CA97/00825
FILING DATE: 03-NOV-1996
ATTORNEY/AGENT INFORMATION:
NAME: DURETTE, PHILIPPE L.
REGISTRATION NUMBER: 35,125
REFERENCE/DOCKET NUMBER: 19824Y
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-4568
TELEFAX: 732-594-4720
TELEX:

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide

LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-964-313-10

Query Match 99.3%; Score 1453; DB 3; Length 277;
Best Local Similarity 99.6%; Pred. No. 3.2e-160;
Matches 276; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY	1	MENTENSVDKSKIKNLEPKIHGSESMDSGISLDSNYKMDYPEMGLCIINNNKPFKSTG	60
DB	1	MENTENSVDKSKIKNLEPKIHGSESMDSGISLDSNYKMDYPEMGLCIINNNKPFKSTG	60
QY	61	MTSRSGTDVDANLREFRRLKYVRKNDLTREIYELMRDYSKEDHSKRSSTFCVLLS	120
DB	61	MTSRSGTDVDANLREFRRLKYVRKNDLTREIYELMRDYSKEDHSKRSSTFCVLLS	120
QY	121	HGEEGILFGTNGPVDLKKITNFERGDRCRSLTGKPKLFTIQACRGTELDGCIETDGVDD	180
DB	121	HGEEGILFGTNGPVDLKKITNFERGDRCRSLTGKPKLFTIQACRGTELDGCIETDGVDD	180
QY	181	DMACHKIPVADFLYASTAGYYSWNSKDGSMFTIOSLCMLKQYADKLEFPHILTRVN	240
DB	181	DMACHKIPVADFLYASTAGYYSWNSKDGSMFTIOSLCMLKQYADKLEFPHILTRVN	240
QY	241	RKVATEFESFSFDATFHAQKQIPCIIVSNLTKELYFYH	277
DB	241	RKVATEFESFSFDATFHAQKQIPCIIVSNLTKELYFYH	277

Search completed: December 29, 2003, 16:37:12
Job time : 22 secs

QY 259 MQLITRVNDRVARHFESESQDDPHFEKKQIPCVVSMLTKELYF 301
 Db 233 MHLITRVNKRKVAATEFESFSPDATHAKKQIPCIIVSMLTKELYF 275

RESULT 14

US-08-334-251D-4
 / Sequence 4, Application US/08334251D
 / Patent No. 6538121
 / GENERAL INFORMATION:
 / APPLICANT: He et al.
 / TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease 3
 / FILE REFERENCE: PFI40
 / CURRENT APPLICATION NUMBER: US/08/334,251D
 / CURRENT FILING DATE: 1994-11-01
 / NUMBER OF SEQ ID NOS: 12
 / SOFTWARE: PatentIn version 3.0
 / SEQ ID NO 4
 / LENGTH: 277
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 US-08-334-251D-4

Query Match 44.5%; Score 719; DB 4; Length 277;

Best Local Similarity 50.9%; Pred. No. 1.8e-73;
 Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

QY 19 EDSVDKPPDRSSFEVPSLFSKSKKKVNTMRSIKTRDRVPTVOYNNNFEKLGKCIINNKNF 78
 Db 5 ENSVDSKSIK-NLEPKIHGSEMSDGLSDNS-----YKMDYPEMGLCIINNKNF 55
 QY 79 DKTGKGVNGTIDKDAEALFKCFRSLGFPVIVYVNDSCAKMODLLKASSEEDHTNACFA 138
 Db 56 HKSTGWTSRSGTVDVAANLRETFRNKLYEVRNKNDLTREIVELMWEDVSKEDHSKRSFV 115
 QY 139 CILSHGEENVYIGKGVTPPIKDLTAHFRGDRCKTLLEKPKLFFIOACRGTELDADAIOAD 198
 Db 116 CVLLSHGEEGIIIFGTNGPVDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETD 175
 QY 199 SGPINDTDANPRYKIPVEADFLPAYSTVPGYYSWRSPGRGSMFVQALCSILEHSGKDEI 258
 Db 176 SGVDDMAC---HKIPEVDAPLYAYSTAGYYSWRNSKDSWFIQSLCAMLKQYADKLEF 232
 QY 259 MQLITRVNDRVARHFESESQDDPHFEKKQIPCVVSMLTKELYF 301
 Db 233 MHLITRVNKRKVAATEFESFSPDATHAKKQIPCIIVSMLTKELYF 275

RESULT 15

US-09-561-756-12
 / Sequence 12, Application US/09561756
 / Patent No. 6376226
 / GENERAL INFORMATION:
 / APPLICANT: Alnemri, Emaad S.
 / TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
 / TITLE OF INVENTION: THEREOF
 / FILE REFERENCE: 480140.431
 / CURRENT APPLICATION NUMBER: US/09/561,756
 / CURRENT FILING DATE: 2000-04-26
 / PRIOR APPLICATION NUMBER: 09/227,721
 / PRIOR FILING DATE: 1999-01-08
 / NUMBER OF SEQ ID NOS: 116
 / SOFTWARE: FastSeq for Windows Version 3.0
 / SEQ ID NO 12
 / LENGTH: 277
 / TYPE: PRT
 / ORGANISM: Homo sapien
 US-09-561-756-12

Query Match 44.4%; Score 716; DB 4; Length 277;
 Best Local Similarity 50.5%; Pred. No. 4e-73;
 Matches 143; Conservative 50; Mismatches 78; Indels 12; Gaps 3;

QY 19 EDSVDKPPDRSSFEVPSLFSKSKKKVNTMRSIKTRDRVPTVOYNNNFEKLGKCIINNKNF 78
 Db 5 ENSVDSKSIK-NLEPKIHGSEMSDGLSDNS-----YKMDYPEMGLCIINNKNF 55
 QY 79 DKTGKGVNGTIDKDAEALFKCFRSLGFPVIVYVNDSCAKMODLLKASSEEDHTNACFA 138
 Db 56 HKSTGWTSRSGTVDVAANLRETFRNKLYEVRNKNDLTREIVELMWEDVSKEDHSKRSFV 115
 QY 139 CILSHGEENVYIGKGVTPPIKDLTAHFRGDRCKTLLEKPKLFFIOACRGTELDADAIOAD 198
 Db 116 CVLLSHGEEGIIIFGTNGPVDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETD 175
 QY 199 SGPINDTDANPRYKIPVEADFLPAYSTVPGYYSWRSPGRGSMFVQALCSILEHSGKDEI 258
 Db 176 SGVDDMAC---HKIPEVDAPLYAYSTAGYYSWRNSKDSWFIQSLCAMLKQYADKLEF 232
 QY 259 MQLITRVNDRVARHFESESQDDPHFEKKQIPCVVSMLTKELYF 301
 Db 233 MHLITRVNKRKVAATEFESFSPDATHAKKQIPCIIVSMLTKELYF 275

Search completed: December 30, 2003, 06:28:08
 Job time : 22 secs


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1 TELEX:
2 INFORMATION FOR SEQ ID NO: 6 :
3
4 SEQUENCE CHARACTERISTICS:
5 LENGTH: 277 amino acids
6 TYPE: amino acid
7 STRANDEDNESS: single
8 TOPOLOGY: linear
9 MOLECULE TYPE: peptide
10
11 OS-08-964-308-6

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Query Match	44.5%	Score 719	DB 3	length 277
Best Local Similarity	50.3%	Pred. No. 1.8e-73		
Matches 144	Conservative 49	Mismatches 78	Indels 12	Gaps 3

QY 19 EDSVDYAKPEPRSSFVSLFSSKKKKYNTMRSLKTRTRVPEYQYNNNEKEKQKILNNKNF 78
 |||||D:::|D|||
 D:::|D|||
 DB 5 ENSVDKSKIR-NLEPKTIHGSESMDSGLSDNS-----YKMDYPMWGLCILNNKNF 55

QY 79 DRAVGVGKRGIDIKAEALFKCFKRSFSDIVINDSCANODLMAASBBDIAAACFA 130
 56 HKSTGMTSRSGTDVDAANLRETFRNKLYEYFNKNIDLREELVEILMDVSDXEDHSKRSSFV 115

[illegible]

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176 SGVDDMAC---HKIPEADFLYAISTAPGIYSWNSKDSGWFISLCAMIKQYADKLEF 232

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Db 233 MHILTRVNRKVATEEESFSFSDATFHAKQPCIVSMLTKELYF 275

RESULT 10
US-08-462-968B-4
; Sequence 4, Application US/0846296B
; Patient No. 6067760

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GENERAL INFORMATION:
APPLICANT: He, Wei-Wu et al.
TITLE OF INVENTION:  like Apoptosis-1 Beta Converting Enzyme
TITLE OF INVENTION:  like Apoptosis Precase 3 and 4

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STATE: MD.
COUNTRY: USA
ZIP: 20850

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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; OPERATING SYSTEM: DOS Version #1.30

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```

1 CURRENT APPLICATION DATA:
2 APPLICATION NUMBER: US/08/462,969B
3 FILING DATE: 05-JUN-1995
4 CLASSIFICATION: 514

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1 ENJOY RECREATION DEPT.
2 APPLICATION NUMBER: US 08/334,251
3 FILING DATE: 11-NOV-1994
4 ATTORNEY/AGENT INFORMATION:

REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PF140P1
TELECOMMUNICATION INFORMATION:

TELEFAX: 301-309-8439
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:

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; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-462-969B-4

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Query Match	44.5%;	Score 719;	DB 3;	Length 277;
Best Local Similarity	50.3%;	Pred. No. 1.8e-73;		
Matches 144;	Conservative	49;	Mismatches	76;
			Indels	12;
			Gaps	3;

[illegible]

56 HKSTGMSRSGTVDAAHLRETFPRNLKEVEKNNDLTREELIMRDVSKEDHSKRSSFV 115

116 CVLLSHGEEGLIFGTNGEVDLTKITNFFRGDRCSRLGKPKLFIQACRGTELDCCGLETD 175

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176 SGVDDDMAC--HKIPVADFLYASTPAGYYSWRNSKDSQSWFIQSLCAMLKQYADKLEF 232

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Db 233 MHILTRVNRKVATIEFESFSFDATFHAKQIPCIIVSMILTKELYP 275

RESULT 11
 US-08-964-313-6
 : Sequence 6, Application US/08964313
 : Patent No. 6114132

GENERAL INQUIRY :
APPLICANT : DESMARAIS, SYLVIE
APPLICANT : FRIESEN, RICHARD
APPLICANT : GRESSER, MICHAEL

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PHOSPHATASE BINDING ASSAY
TITLE OF INVENTION:
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
DURETTA PHILLIPS, INC.
MERCER & CO. INC.

STREET: 126 EAST LINCOLN AVENUE - F.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA

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1      ZIFF 07063
2      COMPUTER READABLE FORM:
3      MEDIUM TYPE: Diskette
4      COMPUTER: IBM Compatible

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1  SOFTWARE: FastISO for Windows Version 2.0
2  CURRENT APPLICATION DATA:
3  APPLICATION NUMBER: US/08/964,313

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1 CLASSIFICATION: 435
2 PRIOR APPLICATION DATA:
3 APPLICATION NUMBER: 60/030,408
4

```

APPLICATION NUMBER: PCT/CA97/00825
 FILING DATE: 03 -NOV-1996
 ATTORNEY/AGENT INFORMATION:
 Name: Duffin, R
 Address: 1000

REGISTRATION NUMBER: 35,125
REFERENCE/DOCKET NUMBER: 19824Y
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-4568

US-08-334-251D-2
 Sequence 2, Application US/08334251D
 Patent No. 6538121
 GENERAL INFORMATION:
 APPLICANT: He et al.
 TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease 3 an
 FILE REFERENCE: PE140
 CURRENT APPLICATION NUMBER: US/08/334,251D
 CURRENT FILING DATE: 1994-11-01
 NUMBER OF SEQ ID NOS: 12
 SOFTWARE: PatentIn version 3.0
 SEQ ID NO 2
 LENGTH: 303
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-08-334-251D-2

Query Match 99.8%; Score 1610; DB 4; Length 303;
 Best Local Similarity 99.7%; Pred. No. 6,6e-175;
 Matches 302; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MADDCGIEBQGVDSANEDSVDAKPPRSSFVPSLFSKSKKAVTMSIKITRDRVPTQY 60
 DB 1 MADDCGIEBQGVDSANEDSVDAKPPRSSFVPSLFSKSKKAVTMSIKITRDRVPTQY 60
 QY 61 NNMFELGKCIINNKNFVKVTGMVNGTDCDAELFKCFRSLGFDVIVYNDSCAKMO 120
 DB 61 NNMFELGKCIINNKNFVKVTGMVNGTDCDAELFKCFRSLGFDVIVYNDSCAKMO 120
 QY 121 DLKKAEEBHTNACACITLLSHGEENVYKGGVTPIDLTAAHFRGDRCKTLLKPKL 180
 DB 121 DLKKAEEBHTNACACITLLSHGEENVYKGGVTPIDLTAAHFRGDRCKTLLKPKL 180
 QY 181 FFIQACRGTLDLDAIQADSGPINDTDANPRYKIPVADFLFANSTVPGIYSRSPRGSN 240
 DB 181 FFIQACRGTLDLDAIQADSGPINDTDANPRYKIPVADFLFANSTVPGIYSRSPRGSN 240
 QY 241 FVQALCSILSEHGDLTIMOILTRVNDRVARHFESQSDDPHFHEKQIPCVSMLTKELY 300
 DB 241 FVQALCSILSEHGDLTIMOILTRVNDRVARHFESQSDDPHFHEKQIPCVSMLTKELY 300
 QY 301 FSQ 303
 DB 301 FSQ 303

RESULT 8
 US-08-591-605-2
 Sequence 2, Application US/08591605
 Patent No. 6060238
 GENERAL INFORMATION:
 APPLICANT: Dixit, Vishva M.
 TITLE OF INVENTION: METHOD AND COMPOSITION FOR REGULATING
 TITLE OF INVENTION: APOPTOSIS
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: MORRISON & FOERSTER
 STREET: 755 PAGE MILL ROAD
 CITY: PALO ALTO
 STATE: CA
 COUNTRY: USA
 ZIP: 94304-1018
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/591,605
 FILING DATE: 09-FEB-1996
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: KONSKI, ANTOINETTE F.

REGISTRATION NUMBER: 34,202
 REFERENCE/DOCKET NUMBER: 20344-21036.21
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 813-5600
 TELEFAX: (415) 494-0792
 TELEEX: 706141 MRSPOERS SFO
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 277 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-591-605-2

Query Match 44.5%; Score 715; DB 3; Length 277;
 Best Local Similarity 50.9%; Pred. No. 1.8e-73;
 Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

QY 19 EDSVDKPPRSSFVPSLFSKSKKAVTMSIKITRDRVPTQYNNMFELGKCIINNKNF 78
 DB 5 EDSVDKPPRSSFVPSLFSKSKKAVTMSIKITRDRVPTQYNNMFELGKCIINNKNF 78
 QY 79 DKTGMGVNRTGDAELFKCFRSLGFDVIVYNDSCAKMODLKKASEEDHTNACFA 138
 DB 56 HKSTGMSRSGTVDANLFEFRNKLFEVNRNDLTREIVELMDVSKEDSKSSSV 115
 QY 139 CILSHGEENVYKGGVTPIDLTAAHFRGDRCKTLLKPKLFFIQACRGTLDLDAIQAD 198
 DB 116 CVLSHGEENVYKGGVTPIDLTAAHFRGDRCKTLLKPKLFFIQACRGTLDLDAIQAD 175
 QY 199 SGPIINDTDANPRYKIPVADFLFANSTVPGIYSRSPRGSNVQALCSILSEHGDL 258
 DB 176 SGVDDMAC--HKIPVADFLFANSTVPGIYSRSPRGSNVQALCSILSEHGDL 232
 QY 259 MQLTRVNDRVARHFESQSDDPHFHEKQIPCVSMLTKELY 301
 DB 233 MQLTRVNDRVARHFESQSDDPHFHEKQIPCVSMLTKELY 275

RESULT 9
 US-08-964-308-6
 Sequence 6, Application US/08964308
 Patent No. 6066715
 GENERAL INFORMATION:
 APPLICANT: DESMARAIS, SYLVIE
 APPLICANT: FRIESEN, RICHARD
 APPLICANT: ZAMBONI, ROBERT
 TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
 TITLE OF INVENTION: BINDING ASSAY
 NUMBER OF SEQUENCES: 15
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: ROBERT J. NORTH - MERCK & CO., INC.
 STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
 CITY: RAHWAY
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy Diskette
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: FastSeq for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/964,308
 FILING DATE: 04-NOV-1996
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: NORTH, ROBERT J.
 REGISTRATION NUMBER: 27,366
 REFERENCE/DOCKET NUMBER: 19840 PCT
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 732-594-7262
 TELEFAX: 732-594-4720

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/556,627A
FILING DATE: 13-NOV-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-ID 1813
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 303 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-556-627A-2

Query Match 99.8%; Score 1610; DB 4; Length 303;
Best Local Similarity 99.7%; Pred. No. 6,6e-175;
Matches 302; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MADDGCIIEGVEDSANEVDAPDRSSFPVSLFSKKKNVTMRISIKTRDRVPTQY 60
DB 1 MADDGCIIEGVEDSANEVDAPDRSSFPVSLFSKKKNVTMRISIKTRDRVPTQY 60
QY 61 NNPFELGKCIILNNKPNFKVTGMVGRNGTDKDAEALFKCFRSLGFDVIVNDSCCAKQ 120
DB 61 NNPFELGKCIILNNKPNFKVTGMVGRNGTDKDAEALFKCFRSLGFDVIVNDSCCAKQ 120
QY 121 DILKASEEDHTNAACFACILLSHGEENVYIGKDGVTPIKDLTAHFRDRCCKTLLEKPL 180
DB 121 DILKASEEDHTNAACFACILLSHGEENVYIGKDGVTPIKDLTAHFRDRCCKTLLEKPL 180
QY 181 FFIQACRGTELDIAIQADSGPINDTDANPRYKIPVADLFLFAYSTVPGYVMSRSPGRGSW 240
DB 181 FFIQACRGTELDIAIQADSGPINDTDANPRYKIPVADLFLFAYSTVPGYVMSRSPGRGSW 240
QY 241 FVQALCSILEHKGKLEIMQILTRVNDVRAHFEESQSDPHFHEKKQIPCVVSMLTKEY 300
DB 241 FVQALCSILEHKGKLEIMQILTRVNDVRAHFEESQSDPHFHEKKQIPCVVSMLTKEY 300
QY 301 FSQ 303
DB 301 FSQ 303

RESULT 5
US-09-124-934A-2
Sequence 2, Application US/09124934A
Patent No. 6485519
GENERAL INFORMATION:
APPLICANT: He, Wei-Wu et al.
TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease 3 and
FILE REFERENCE: PFI140C1
CURRENT APPLICATION NUMBER: US/09/124,934A
CURRENT FILING DATE: 1994-11-01
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2
LENGTH: 303
TYPE: PRT
ORGANISM: homo sapiens
US-09-124-934A-2

Query Match 99.8%; Score 1610; DB 4; Length 303;
Best Local Similarity 99.7%; Pred. No. 6,6e-175;
Matches 302; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MADDGCIIEGVEDSANEVDAPDRSSFPVSLFSKKKNVTMRISIKTRDRVPTQY 60
DB 1 MADDGCIIEGVEDSANEVDAPDRSSFPVSLFSKKKNVTMRISIKTRDRVPTQY 60

QY 61 NNPFELGKCIILNNKPNFKVTGMVGRNGTDKDAEALFKCFRSLGFDVIVNDSCCAKQ 120
DB 61 NNPFELGKCIILNNKPNFKVTGMVGRNGTDKDAEALFKCFRSLGFDVIVNDSCCAKQ 120
QY 121 DILKASEEDHTNAACFACILLSHGEENVYIGKDGVTPIKDLTAHFRDRCCKTLLEKPL 180
DB 121 DILKASEEDHTNAACFACILLSHGEENVYIGKDGVTPIKDLTAHFRDRCCKTLLEKPL 180
QY 181 FFIQACRGTELDIAIQADSGPINDTDANPRYKIPVADLFLFAYSTVPGYVMSRSPGRGSW 240
DB 181 FFIQACRGTELDIAIQADSGPINDTDANPRYKIPVADLFLFAYSTVPGYVMSRSPGRGSW 240
QY 241 FVQALCSILEHKGKLEIMQILTRVNDVRAHFEESQSDPHFHEKKQIPCVVSMLTKEY 300
DB 241 FVQALCSILEHKGKLEIMQILTRVNDVRAHFEESQSDPHFHEKKQIPCVVSMLTKEY 300
QY 301 FSQ 303
DB 301 FSQ 303

RESULT 6
US-08-724-378D-4
Sequence 4, Application US/08724378D
Patent No. 6512104
GENERAL INFORMATION:
APPLICANT: JUAN, SHAO-CHIEH
APPLICANT: FLETCHER, FREDERICK A.
APPLICANT: PATTERSON, SCOTT D.
TITLE OF INVENTION: INTERLEUKIN 1-BETA CONVERTING ENZYME LIKE CYSTEINE
FILE REFERENCE: 06943-0019-00000
CURRENT APPLICATION NUMBER: US/08/724,378D
CURRENT FILING DATE: 1996-10-01
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 303
TYPE: PRT
ORGANISM: Homo sapiens
US-08-724-378D-4

Query Match 99.8%; Score 1610; DB 4; Length 303;
Best Local Similarity 99.7%; Pred. No. 6,6e-175;
Matches 302; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MADDGCIIEGVEDSANEVDAPDRSSFPVSLFSKKKNVTMRISIKTRDRVPTQY 60
DB 1 MADDGCIIEGVEDSANEVDAPDRSSFPVSLFSKKKNVTMRISIKTRDRVPTQY 60
QY 61 NNPFELGKCIILNNKPNFKVTGMVGRNGTDKDAEALFKCFRSLGFDVIVNDSCCAKQ 120
DB 61 NNPFELGKCIILNNKPNFKVTGMVGRNGTDKDAEALFKCFRSLGFDVIVNDSCCAKQ 120
QY 121 DILKASEEDHTNAACFACILLSHGEENVYIGKDGVTPIKDLTAHFRDRCCKTLLEKPL 180
DB 121 DILKASEEDHTNAACFACILLSHGEENVYIGKDGVTPIKDLTAHFRDRCCKTLLEKPL 180
QY 181 FFIQACRGTELDIAIQADSGPINDTDANPRYKIPVADLFLFAYSTVPGYVMSRSPGRGSW 240
DB 181 FFIQACRGTELDIAIQADSGPINDTDANPRYKIPVADLFLFAYSTVPGYVMSRSPGRGSW 240
QY 241 FVQALCSILEHKGKLEIMQILTRVNDVRAHFEESQSDPHFHEKKQIPCVVSMLTKEY 300
DB 241 FVQALCSILEHKGKLEIMQILTRVNDVRAHFEESQSDPHFHEKKQIPCVVSMLTKEY 300
QY 301 FSQ 303
DB 301 FSQ 303

RESULT 7

Db 1 MADDGCIIEGVEDSANDSDVDKPDSSFPVSLFSSKKKXVTVMS:KTRDRVPTVYQ 60
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 Db 61 NNPFELGKCIITNNKPNFDKVTGKGVNRTDKDAALFKCFPSLGFVDIVYNDSCAKM 120
 QY 121 DLKKASEEDHTNACFACILSHGSEENVYIGKDVTPIKDLTAHFRGDRCKTLLKPKL 180
 Db 121 DLKKASEEDHTNACFACILSHGSEENVYIGKDVTPIKDLTAHFRGDRCKTLLKPKL 180
 QY 181 FFIQACRGTELDLDAIQADSGPINDTDANPRYKIPVADFLFAVSTVPGYYSWRSPGRGSM 240
 Db 181 FFIQACRGTELDLDAIQADSGPINDTDANPRYKIPVADFLFAVSTVPGYYSWRSPGRGSM 240
 QY 241 FVQALCSILIEHKGDLIMQILTRVNDRAVHAFESQSDDPHFHEKKQIPCVVSMLTKEYL 300
 Db 241 FVQALCSILIEHKGDLIMQILTRVNDRAVHAFESQSDDPHFHEKKQIPCVVSMLTKEYL 300
 QY 301 FSQ 303
 Db 301 FSQ 303

RESULT 2

US-09-561-756-24
 / Sequence 24, Application US/09561756
 / Patent No. 6376226
 / GENERAL INFORMATION:
 / APPLICANT: Alnemir, Emad S.
 / TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
 / TITLE OF INVENTION: THEREOF
 / FILE REFERENCE: 480140.431
 / CURRENT APPLICATION NUMBER: US/09/561,756
 / CURRENT FILING DATE: 2000-04-26
 / PRIOR APPLICATION NUMBER: 09/227,721
 / PRIOR FILING DATE: 1999-01-08
 / NUMBER OF SEQ. ID NOS: 116
 / SOFTWARE: FastSeq for Windows Version 3.0
 / SEQ. ID NO 24
 / LENGTH: 303
 / TYPE: PRT
 / ORGANISM: Homo sapien
 / US-09-561-756-24

Query Match 99.8%; Score 1610; DB 4; Length 303;
 Best Local Similarity 99.7%; Pred. No. 6.6e-175; Indels 0; Gaps 0;
 Matches 302; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MADDGCIIEGVEDSANDSDVDKPDSSFPVSLFSSKKKXVTVMS:KTRDRVPTVYQ 60
 Db 1 MADDGCIIEGVEDSANDSDVDKPDSSFPVSLFSSKKKXVTVMS:KTRDRVPTVYQ 60
 QY 61 NNPFELGKCIITNNKPNFDKVTGKGVNRTDKDAALFKCFPSLGFVDIVYNDSCAKM 120
 Db 61 NNPFELGKCIITNNKPNFDKVTGKGVNRTDKDAALFKCFPSLGFVDIVYNDSCAKM 120
 QY 121 DLKKASEEDHTNACFACILSHGSEENVYIGKDVTPIKDLTAHFRGDRCKTLLKPKL 180
 Db 121 DLKKASEEDHTNACFACILSHGSEENVYIGKDVTPIKDLTAHFRGDRCKTLLKPKL 180
 QY 181 FFIQACRGTELDLDAIQADSGPINDTDANPRYKIPVADFLFAVSTVPGYYSWRSPGRGSM 240
 Db 181 FFIQACRGTELDLDAIQADSGPINDTDANPRYKIPVADFLFAVSTVPGYYSWRSPGRGSM 240
 QY 241 FVQALCSILIEHKGDLIMQILTRVNDRAVHAFESQSDDPHFHEKKQIPCVVSMLTKEYL 300
 Db 241 FVQALCSILIEHKGDLIMQILTRVNDRAVHAFESQSDDPHFHEKKQIPCVVSMLTKEYL 300
 QY 301 FSQ 303
 Db 301 FSQ 303

RESULT 3
 US-09-227-721-24
 / Sequence 24, Application US/09227721
 / Patent No. 6379950
 / GENERAL INFORMATION:
 / APPLICANT: Alnemir, Emad S.
 / TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
 / TITLE OF INVENTION: THEREOF
 / FILE REFERENCE: 480140.431
 / CURRENT APPLICATION NUMBER: US/09/227,721
 / CURRENT FILING DATE: 1999-01-08
 / NUMBER OF SEQ. ID NOS: 116
 / SOFTWARE: FastSeq for Windows Version 3.0
 / SEQ. ID NO 24
 / LENGTH: 303
 / TYPE: PRT
 / ORGANISM: Homo sapien
 / US-09-227-721-24

Query Match 99.8%; Score 1610; DB 4; Length 303;
 Best Local Similarity 99.7%; Pred. No. 6.6e-175; Indels 0; Gaps 0;
 Matches 302; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MADDGCIIEGVEDSANDSDVDKPDSSFPVSLFSSKKKXVTVMS:KTRDRVPTVYQ 60
 Db 1 MADDGCIIEGVEDSANDSDVDKPDSSFPVSLFSSKKKXVTVMS:KTRDRVPTVYQ 60
 QY 61 NNPFELGKCIITNNKPNFDKVTGKGVNRTDKDAALFKCFPSLGFVDIVYNDSCAKM 120
 Db 61 NNPFELGKCIITNNKPNFDKVTGKGVNRTDKDAALFKCFPSLGFVDIVYNDSCAKM 120
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 Db 121 DLKKASEEDHTNACFACILSHGSEENVYIGKDVTPIKDLTAHFRGDRCKTLLKPKL 180
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 Db 241 FVQALCSILIEHKGDLIMQILTRVNDRAVHAFESQSDDPHFHEKKQIPCVVSMLTKEYL 300
 QY 301 FSQ 303
 Db 301 FSQ 303

RESULT 4

US-08-556-627A-2
 / Sequence 2, Application US/08556627A
 / Patent No. 6462175
 / GENERAL INFORMATION:
 / APPLICANT: Alnemir, Emad S.
 / APPLICANT: Fernandes-Alnemir, Teresa
 / APPLICANT: Litwack, Gerald
 / APPLICANT: Armstrong, Robert
 / APPLICANT: Tomaselli, Kevin
 / TITLE OF INVENTION: Nch3, A No. 6462175el Apoptotic Protease,
 / TITLE OF INVENTION: Nucleic Acids Encoding and Methods of Use
 / NUMBER OF SEQUENCES: 11
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: Campbell and Flores
 / STREET: 4370 La Jolla Village Drive, Suite 700
 / CITY: San Diego
 / STATE: California
 / COUNTRY: USA
 / ZIP: 92122
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: Patentin Release #1.0, Version #1.25

Tue Dec 30 06:50:33 2003

us-09-895-263b-2.closed.ra1

Page 1

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: December 30, 2003, 06:26:57 ; Search time 21 Seconds
(without alignments)
610,485 Million cell updates/sec

Title: US-09-895-263B-2

Perfect score: 1614

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Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 281847

Minimum DB seq length: 0
Maximum DB seq length: 303

Post-processing: Minimum Match 0%

Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1610	99.8	303	US-09-561-756-24	Sequence 24, Appli
3	1610	99.8	303	US-09-227-721-24	Sequence 24, Appli
4	1610	99.8	303	US-08-556-627A-2	Sequence 2, Appli
5	1610	99.8	303	US-09-124-934A-2	Sequence 2, Appli
6	1610	99.8	303	US-08-124-378D-4	Sequence 4, Appli
7	1610	99.8	303	US-08-334-251D-2	Sequence 2, Appli
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9	719	44.5	277	US-08-964-308-6	Sequence 6, Appli
10	719	44.5	277	US-08-462-969B-4	Sequence 6, Appli
11	719	44.5	277	US-08-964-313-6	Sequence 6, Appli
12	719	44.5	277	US-09-069-138-6	Sequence 6, Appli
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15	716	44.4	277	US-09-561-756-12	Sequence 12, Appli
16	716	44.4	277	US-09-227-721-12	Sequence 12, Appli
17	716	44.4	277	US-08-983-502-30	Sequence 30, Appli
18	716	44.4	277	US-08-724-378D-5	Sequence 5, Appli
19	716	44.4	277	US-09-516-747-30	Sequence 30, Appli
20	716	44.4	277	PCT-US96-10521-30	Sequence 30, Appli
21	709	43.9	277	US-08-964-308-10	Sequence 10, Appli
22	709	43.9	277	US-08-964-313-10	Sequence 10, Appli
23	709	43.9	277	US-09-069-138-10	Sequence 10, Appli
24	707	43.8	277	US-08-980-542A-2	Sequence 2, Appli
25	549	34.0	289	US-08-773-608A-2	Sequence 2, Appli
26	474	29.4	293	US-09-561-756-21	Sequence 21, Appli
27	474	29.4	293	US-09-227-721-21	Sequence 21, Appli

28	468	29.0	278	3	US-08-523-813-4	Sequence 4, Appli
29	466	28.9	293	1	US-08-446-925-5	Sequence 5, Appli
30	466	28.9	293	2	US-09-146-331-5	Sequence 5, Appli
31	466	28.9	293	3	US-08-896-885-5	Sequence 5, Appli
32	466	28.9	293	4	US-09-375-256-5	Sequence 5, Appli
33	466	28.9	293	4	US-08-983-502-31	Sequence 31, Appli
34	466	28.9	293	4	US-09-376-156-5	Sequence 5, Appli
35	466	28.9	293	4	US-08-724-378D-6	Sequence 6, Appli
36	466	28.9	293	4	US-09-516-747-31	Sequence 31, Appli
37	466	28.9	293	5	PCT-US96-10521-31	Sequence 31, Appli
38	426.5	26.4	286	4	US-09-360-017-1	Sequence 1, Appli
39	396	24.5	204	1	US-08-446-925-7	Sequence 7, Appli
40	396	24.5	204	2	US-09-146-331-7	Sequence 7, Appli
41	396	24.5	204	2	US-08-896-885-7	Sequence 7, Appli
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ALIGNMENTS

RESULT 1
US-08-462-969B-2
; Sequence 2, Application US/08462969B
; Patent No. 6087150

GENERAL INFORMATION:

APPLICANT: He, Wei-Wu et al.

TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Ave.

CITY: Rockville

STATE: MD

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/462,969B

FILING DATE: 05-JUN-1995

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/334,251

FILING DATE: 11-NOV-1994

ATTORNEY/AGENT INFORMATION:

NAME: Brookes, A. Anders

REGISTRATION NUMBER: 36,373

REFERENCE/DOCKET NUMBER: PFI40PI

TELECOMMUNICATION INFORMATION:

TELEPHONE: 301-309-8439

TELEFAX: 301-309-8504

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 303 amino acids

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-462-969B-2

Query Match 99.8%; Score 1610; DB 3; Length 303;

Best Local Similarity 99.7%; Pred. No. 6,6e-175; Indels 0; Gaps 0;

Matches 302; Conservative 1; MADQGCIEGVEDSANDSVDAKDRSSVFLSKKKXVTKMSIKTRDPRVTVYQ 60

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 30, 2003, 06:27:52 ; Search time 22. Seconds
(without alignments)
580.813 Million cell updates/sec

Title: US-09-895-263b-2_COPY_2_303
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Gapop 10.0, Gapext 0.5

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Total number of hits satisfying chosen parameters: 281591

Minimum DB seq length: 0
Maximum DB seq length: 302

Post-processing: Minimum Match 0%
Maximum Match 100%
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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36	396	24.6	204	4	US-09-375-256-7	Sequence 7, Appli
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40	387	24.1	285	4	US-09-561-756-35	Sequence 35, Appli
41	374	23.2	148	3	US-08-964-308-11	Sequence 11, Appli
42	374	23.2	148	3	US-08-964-308-11	Sequence 11, Appli
43	374	23.2	148	4	US-09-069-138-11	Sequence 11, Appli
44	357	22.2	266	4	US-08-983-502-20	Sequence 20, Appli
45	357	22.2	266	4	US-09-516-747-20	Sequence 20, Appli

ALIGNMENTS

RESULT 1
US-08-591-605-2
; Sequence 2, Application US/08591605
; Patent No. 6060238
; GENERAL INFORMATION:
; APPLICANT: Dixit, Vishva M.
; TITLE OF INVENTION: METHOD AND COMPOSITION FOR REGULATING
; TITLE OF INVENTION: APOPTOSIS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FORSTER
; STREET: 755 PAGE MILL ROAD
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/591,605
; FILING DATE: 09-FEB-1996
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: KOSKI, ANTOINETTE F.
; REGISTRATION NUMBER: 34,202
; REFERENCE/DOCKET NUMBER: 20344-21036.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 813-5600
; TELEFAX: (415) 494-0792
; TELEX: 706144 MRSNPOERS SFO
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 277 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-591-605-2
; Query Match 44.7%, Score 719, DB 3, Length 277;
; Best Local Similarity 50.9%, Pred. No. 1.7e-73;
; Matches 144, Conservative 49, Mismatches 78, Indels 12, Gaps 3;
; QY 18 EDVDAKDRSFPSPLEFSKKKKVTVTSIKTTRDVRVPTQYNNAPFKLCKIILNNKF 77
; DB 5 ENSVDSSIKR-NLEPKIHHGSESDSGISLONS-----YKMDYEWGCLILNNKF 55
; QY 78 DKVGMGVNCTDADAELPFCFRSLGFDVIVVNDSCAKMOLLKKAASEDTNACFA 137

Db 56 HKSTGWTSSGIVDANLRETFNKLKYEVRNKNQDITREIIVELMKNVDVSKESKRSSEFV 115
Qy 136 CILSHGEEBIIFTGNGPVDLKITNFFRGDRCRSLTGPKLFIQACGTGLDDAIOAD 197
Db 116 CILSHGEEBIIFTGNGPVDLKITNFFRGDRCRSLTGPKLFIQACGTGLDDAIOAD 175
Qy 198 SGPINDTDANPRYKIPVEADFLFAYSTVPGYISWRSPPGSGMVFQALCSILEHSGDLEI 257
Db 176 SGVDDDMAC---HKIPVEADFLFAYSTVPGYISWRSPPGSGMVFQALCSILEHSGDLEI 232
Qy 258 MQLTRVNDRAHAFESQSDPHFHEKKQIPCVVSMULTLEYF 300
Db 233 MQLTRVNDRAHAFESQSDPHFHEKKQIPCVVSMULTLEYF 275

RESULT 2
US-08-964-308-6
Sequence 6, Application US/08964308
Patent No. 6086715
GENERAL INFORMATION:
APPLICANT: DESMARAIS, SYLVIE
APPLICANT: FRIESEN, RICHARD
APPLICANT: ZAMONTI, ROBERT
TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
TITLE OF INVENTION: BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROBERT J. NORTH - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: FAIRWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/964,308
FILING DATE: 04-NOV-1996
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: NORTH, ROBERT J
REGISTRATION NUMBER: 27,366
REFERENCE/DOCKET NUMBER: 19840 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-7262
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-964-308-6

Query Match 44.7%; Score 719; DB 3; Length 277;
Best Local Similarity 50.9%; Pred. No. 1.7e-73;
Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

Qy 18 EDSVAKRDRSSFVSLSKKKKAVTMSITKTDRAVTVQYNNFEKLGKCIILNNKF 77
Db 5 ENSVDKSKIR-NLEKXIHGSESDSGISLNS-----YKQDYPKMGICIIINKNF 55
Qy 78 DKVTGMGVNAGTGDKAELFKCFBSLGFVDIVYNDSCAKXQDILLKASEEDHTNAACFA 137
Db 56 HKSTGWTSSGIVDANLRETFNKLKYEVRNKNQDITREIIVELMKNVDVSKESKRSSEFV 115
Qy 138 CILSHGEEBIIFTGNGPVDLKITNFFRGDRCRSLTGPKLFIQACGTGLDDAIOAD 197

Db 116 CILSHGEEBIIFTGNGPVDLKITNFFRGDRCRSLTGPKLFIQACGTGLDDAIOAD 175
Qy 198 SGPINDTDANPRYKIPVEADFLFAYSTVPGYISWRSPPGSGMVFQALCSILEHSGDLEI 257
Db 176 SGVDDDMAC---HKIPVEADFLFAYSTVPGYISWRSPPGSGMVFQALCSILEHSGDLEI 232
Qy 258 MQLTRVNDRAHAFESQSDPHFHEKKQIPCVVSMULTLEYF 300
Db 233 MQLTRVNDRAHAFESQSDPHFHEKKQIPCVVSMULTLEYF 275

RESULT 3
US-08-462-969B-4
Sequence 4, Application US/08462969B
Patent No. 6087150
GENERAL INFORMATION:
APPLICANT: He, Wei-Wu et al.
TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme
TITLE OF INVENTION: Like Apoptosis Protease 3 and 4
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Ave.
CITY: Rockville
STATE: MD
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/462,969B
FILING DATE: 05-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/334,251
FILING DATE: 11-NOV-1994
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PFI40PI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8504
TELEFAX: 301-309-8439
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-462-969B-4

Query Match 44.7%; Score 719; DB 3; Length 277;
Best Local Similarity 50.9%; Pred. No. 1.7e-73;
Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

Qy 18 EDSVAKRDRSSFVSLSKKKKAVTMSITKTDRAVTVQYNNFEKLGKCIILNNKF 77
Db 5 ENSVDKSKIR-NLEKXIHGSESDSGISLNS-----YKQDYPKMGICIIINKNF 55
Qy 78 DKVTGMGVNAGTGDKAELFKCFBSLGFVDIVYNDSCAKXQDILLKASEEDHTNAACFA 137
Db 56 HKSTGWTSSGIVDANLRETFNKLKYEVRNKNQDITREIIVELMKNVDVSKESKRSSEFV 115
Qy 138 CILSHGEEBIIFTGNGPVDLKITNFFRGDRCRSLTGPKLFIQACGTGLDDAIOAD 197
Db 116 CILSHGEEBIIFTGNGPVDLKITNFFRGDRCRSLTGPKLFIQACGTGLDDAIOAD 175
Qy 198 SGPINDTDANPRYKIPVEADFLFAYSTVPGYISWRSPPGSGMVFQALCSILEHSGDLEI 257

Db 176 SGVDDMAC--HKIPVADFLYAYSTAPGYWNSKDSWFIQSLCMLKQYADKLEF 232

Qy 258 MQLTRVNDVRAHFEQSDDPHFEKQICPVSMLTKELYF 300

Db 233 MQLTRVNDVRAHFEQSDDPHFEKQICPVSMLTKELYF 275

RESULT 4
US-08-964-313-6
Sequence 6, Application US/08964313
Patent No. 6114132

GENERAL INFORMATION:

APPLICANT: DESMARAIS, SYLVIE
APPLICANT: FRIESEN, RICHARD
APPLICANT: GRESSER, MICHAEL
APPLICANT: KENNEDY, BRIAN
APPLICANT: NICHOLSON, DONALD
APPLICANT: RAMACHANDRAN, CHIDAMBARAN
APPLICANT: SKOREY, KATHRYN
APPLICANT: FORD-HUTCHINSON, ANTHONY
TITLE OF INVENTION: PHOSPHATASE BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESSES:
ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/964.313
FILING DATE: 04-NOV-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/030.408
FILING DATE: 04-NOV-1996
APPLICATION NUMBER: PCT/CA97/008825
FILING DATE: 03-NOV-1996

ATTORNEY/AGENT INFORMATION:
NAME: DURETTE, PHILIPPE L.
REGISTRATION NUMBER: 35,125
REFERENCE/DOCKET NUMBER: 19824Y
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-4568
TELEFAX: 732-594-4720
TELEX:

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-964-313-6

Query Match 44.7%; Score 719; DB 3; Length 277;
Best Local Similarity 50.9%; Pred. No. 1.7e-73;
Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

Qy 18 EDSVDAKPDSSVPSLFSKKNVMSIKTRDRVPPTYQYNNMFEKLGKCIINNKNF 77

Db 5 ENSVDSKSIK-NLEPKITHGSEMSDGLSDNS-----YKMDYPEMGLCIIINNKNF 55

Qy 78 DKYTGAVNGTGDKAELFKPCRSIGFVIVYVNDSCAKMODLLKXASEEDHTAAGCA 137

Db 56 HKSTGMTSRSGTDVDAANLRTEPRNLKYEVRKNGNDLTREIIVELMRDVSKEDHSKSSSFV 115

Qy 138 CILSHGENVIYKDGVTPIKDLTAHFRGDRCKTLEKPLFEIOACRGTELDPAIQAD 197

Db 116 CVLISHGEBGILFGNGVLDLKKITNFRGRCRSLTKPKLFIIOACRGTELDGCIETD 175

Qy 198 SGPINDTANPRYKIPVADFLFAYSTVPGYYSWRSPGRSGWFWQALCSILEEHGQLEI 257

Db 176 SGVDDMAC--HKIPVADFLYAYSTAPGYWNSKDSWFIQSLCMLKQYADKLEF 232

Qy 258 MQLTRVNDVRAHFEQSDDPHFEKQICPVSMLTKELYF 300

Db 233 MQLTRVNDVRAHFEQSDDPHFEKQICPVSMLTKELYF 275

RESULT 5
US-09-069-138-6
Sequence 6, Application US/09069138
Patent No. 6348572

GENERAL INFORMATION:

APPLICANT: DESMARAIS, SYLVIE
APPLICANT: FRIESEN, CLAUDE
APPLICANT: FRIESEN, RICHARD
APPLICANT: LEBLANC, YVES
APPLICANT: ROY, PATRICK
APPLICANT: YOUNG, ROBERT N.
APPLICANT: ZAMBONI, ROBERT
TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
TITLE OF INVENTION: BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESSES:
ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy Diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/069.138
FILING DATE: 29-APR-1998
CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:
NAME: DURETTE, PHILIPPE L.
REGISTRATION NUMBER: 35,125
REFERENCE/DOCKET NUMBER: 19840YIA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-4568
TELEFAX: 732-594-4720
TELEX:

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-069-138-6

Query Match 44.7%; Score 719; DB 4; Length 277;
Best Local Similarity 50.9%; Pred. No. 1.7e-73;
Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

Qy 18 EDSVDAKPDSSVPSLFSKKNVMSIKTRDRVPPTYQYNNMFEKLGKCIINNKNF 77

Db 5 ENSVDSKSIK-NLEPKITHGSEMSDGLSDNS-----YKMDYPEMGLCIIINNKNF 55

Qy 78 DKYTGAVNGTGDKAELFKPCRSIGFVIVYVNDSCAKMODLLKXASEEDHTAAGCA 137

Db 56 HKSTGMTSRSGTDVDAANLRTEPRNLKYEVRKNGNDLTREIIVELMRDVSKEDHSKSSSFV 115

```

RESULT 7
US-08-334-25ID-4
; Sequence 4, Application US/0833425ID
; Patent No. 6538121
; GENERAL INFORMATION:
; APPLICANT: He et al.
; TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease 3
; FILE REFERENCE: PFI40
; CURRENT APPLICATION NUMBER: US/08/334,25ID
; CURRENT FILING DATE: 1994-11-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-334-25ID-4

```

[illegible]

US-09-227-721-12
 / Sequence 12, Application US/09227721
 / Patent No. 6379950
 / GENERAL INFORMATION:
 / APPLICANT: Alnemri, Emad S.
 / TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
 / TITLE OF INVENTION: THEREOF
 / FILE REFERENCE: 480140.431
 / CURRENT APPLICATION NUMBER: US/09/227,721
 / CURRENT FILING DATE: 1999-01-08
 / NUMBER OF SEQ ID NOS: 116
 / SOFTWARE: FastSeq for Windows Version 3.0
 / SEQ ID NO 12
 / LENGTH: 277
 / TYPE: PRT
 / ORGANISM: Homo sapien
 / US-09-227-721-12

Query Match 44.5%; Score 716; DB 4; Length 277;
 Best local similarity 50.5%; Pred. No. 3, 7e-73;
 Matches 143; Conservative 50; Mismatches 78; Indels 12; Gaps 3;

QY 18 EDSVADKPPRSSFVPSLFSKKKKVMTSRISIKTRDVRVPTQYNNFEKGLIINNKF 77
 DB 5 ENSVDSKSIK-NLEPKIIHGSSEMDGISLDSN-----YKMDYPEMGLCIIINNKF 55
 QY 78 DRYTGMVANGTDKDAEALFKCFRSLGFVIVYNDSCAKMODLKKASEEDHTNAACFA 137
 DB 56 HKSTGWTSGTIDVDANIRETFRNLYEVRKNDLTREIYELWEDVSKEDHSKRSSFV 115
 QY 138 CILSHGEENVYIGKDVTPPIKDLTAHFGDRCKTLEKPKLFFIQACRGTELDADAIOAD 197
 DB 116 CULLSHGEGEIIIFGTNGPVDLKKTINFFRGDRCSLTGPKPLFIQACRGTELDGCIETD 175
 QY 198 SGPINDTDANPRYKIVPEADFLPAYSTVPGYYSWRSPGRGSFVQALCSILEHGKDEI 257
 DB 176 SGVDDMAC--HKIPVDADFLYASTAGYYSWRNSKDSWFIOSLCMLKQYADKLEF 232
 QY 258 MOILTRVNDVARHFEESQSDPHFEKKQIPCVSMLTKELYF 300
 DB 233 MHILTRVNRKVATEFESFSDATFPAKKQIPCIIVSMLTKELYF 275

RESULT 10
 US-08-983-502-30
 / Sequence 30, Application US/08983502
 / Patent No. 6399327
 / GENERAL INFORMATION:
 / APPLICANT: David WALLACH
 / APPLICANT: Mark P. BOLDIN
 / APPLICANT: Tatyana M. GONCHAROV
 / APPLICANT: Yuri V. GOLITSEV
 / TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
 / TITLE OF INVENTION: AND OTHER PROTEINS
 / NUMBER OF SEQUENCES: 34
 / CORRESPONDENCE ADDRESS:
 / ADDRESSER: Broadway and Neimark
 / STREET: 419 Seventh Street N.W., Ste. 300
 / CITY: Washington
 / STATE: D.C.
 / COUNTRY: USA
 / ZIP: 20004
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: Patentin Release #1.0; Version #1.30
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/08/983,502
 / FILING DATE: 16-JAN-1998
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER: PCT/US96/10521
 / FILING DATE: 14-JUN-1996

PRIOR APPLICATION DATA:
 / APPLICATION NUMBER: IL 114,615
 / FILING DATE: 16-JUL-1995
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER: IL 114,986
 / FILING DATE: 17-AUG-1995
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER: IL 115,319
 / FILING DATE: 14-SEP-1995
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER: IL 116,588
 / FILING DATE: 27-DEC-1995
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER: IL 117,932
 / FILING DATE: 16-APR-1996
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Browdy, Roger L.
 / REGISTRATION NUMBER: 25,618
 / REFERENCE/DOCKET NUMBER: WALLACH=19
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: (202) 628-5197
 / TELEFAX: (202) 737-3528
 / INFORMATION FOR SEQ ID NO: 30:
 / SEQUENCE CHARACTERISTICS:
 / LENGTH: 277 amino acids
 / TYPE: amino acid
 / STRANDEDNESS: single
 / TOPOLOGY: linear
 / MOLECULE TYPE: protein
 / US-08-983-502-30

Query Match 44.5%; Score 716; DB 4; Length 277;
 Best local similarity 50.5%; Pred. No. 3, 7e-73;
 Matches 143; Conservative 50; Mismatches 78; Indels 12; Gaps 3;

QY 18 EDSVADKPPRSSFVPSLFSKKKKVMTSRISIKTRDVRVPTQYNNFEKGLIINNKF 77
 DB 5 ENSVDSKSIK-NLEPKIIHGSSEMDGISLDSN-----YKMDYPEMGLCIIINNKF 55
 QY 78 DRYTGMVANGTDKDAEALFKCFRSLGFVIVYNDSCAKMODLKKASEEDHTNAACFA 137
 DB 56 HKSTGWTSGTIDVDANIRETFRNLYEVRKNDLTREIYELWEDVSKEDHSKRSSFV 115
 QY 138 CILSHGEENVYIGKDVTPPIKDLTAHFGDRCKTLEKPKLFFIQACRGTELDADAIOAD 197
 DB 116 CULLSHGEGEIIIFGTNGPVDLKKTINFFRGDRCSLTGPKPLFIQACRGTELDGCIETD 175
 QY 198 SGPINDTDANPRYKIVPEADFLPAYSTVPGYYSWRSPGRGSFVQALCSILEHGKDEI 257
 DB 176 SGVDDMAC--HKIPVDADFLYASTAGYYSWRNSKDSWFIOSLCMLKQYADKLEF 232
 QY 258 MOILTRVNDVARHFEESQSDPHFEKKQIPCVSMLTKELYF 300
 DB 233 MHILTRVNRKVATEFESFSDATFPAKKQIPCIIVSMLTKELYF 275

RESULT 11
 US-08-724-378D-5
 / Sequence 5, Application US/08724378D
 / Patent No. 6512104
 / GENERAL INFORMATION:
 / APPLICANT: JUAN, SHAO-CHIEH
 / APPLICANT: FLETCHER, FREDERICK A.
 / APPLICANT: PATTERSON, SCOTT D.
 / TITLE OF INVENTION: INTERLEUKIN-1-BETA CONVERTING ENZYME LIKE CYSTEINE
 / TITLE OF INVENTION: PROTEASE
 / FILE REFERENCE: 06843-0019-00000
 / CURRENT APPLICATION NUMBER: US/08/724,378D
 / CURRENT FILING DATE: 1996-10-01
 / NUMBER OF SEQ ID NOS: 17
 / SOFTWARE: Patentin Ver. 2.1
 / SEQ ID NO 5
 / LENGTH: 277

TYPE: PRT
ORGANISM: Homo sapiens
US-08-724-378D-5

Query Match 44.5%; Score 716; DB 4; Length 277;
Best Local Similarity 50.5%; Pred. No. 3.7e-73;
Matches 143; Conservative 50; Mismatches 78; Indels 12; Gaps 3;

QY 18 EDSDYAKPDRSSVPSLFSKSKKQVMTSRISIKTRDRVPTQYNNNEKLGKCIINNKNF 77
DB 5 ENSVDSKSIK-NLEPKIIHSEMSDGLSDNS-----YKMDPEMGLCIIINNKNF 55
QY 78 DRYTGVNGVNGTDKDAEALFKCFRSLGFVIVYVNDSCAKMODLLKASEEDHTNACFA 137
DB 56 HKSTGMTSRSGTVDANLRETRFNKLYEVRNKNDLTREIIVELMKDVSKEHSKSSSEFV 115
QY 138 CILSHGEENVYIGKGVPIKDLTAHFRGDRCKTLEKPKLFFIQACRGTELDADAIOAD 197
DB 116 CVLLSHGEBGILFTGNGPVDLKKITNFRDRCRSLTGKPKLFIQACRGTELDGCIETD 175
QY 198 SGPINDTDANPRYKIPVEADFLFAYSTVPGYYSWRSPGSGWVQALCSILEHGXDLFI 257
DB 176 SGVDDMAC--HKIPDADFLVAYSTAPGYYSWRNSKDSWFIQSLCAVLKQYADKLEF 232
QY 258 MQLTRVNDVRAHFEQSDDPHHEKKQIPCVVSMLTKELYF 300
DB 233 MHLTRVNRKVAETFEFSFDPATFHAQKQIPCLVSMLTKELYF 275

RESULT 12
US-09-516-747-30

Sequence 30 Application US/09516747

Patent No. 6586571

GENERAL INFORMATION:

APPLICANT: David WALLACH

Mark P. BOLDIN

Tanya M. GONCHAROV

Yury V. GOLITSEV

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS

AND OTHER PROTEINS

NUMBER OF SEQUENCES: 34

CORRESPONDENCE ADDRESS:

ADDRESSEE: Biowdy and Neimark

STREET: 419 Seventh Street N.W., Ste. 300

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/516,747

FILING DATE: 01-Mar-2000

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/983,502

FILING DATE: <unknown>

APPLICATION NUMBER: IL 114,615

FILING DATE: 16-JUL-1995

APPLICATION NUMBER: IL 114,986

FILING DATE: 17-AUG-1995

APPLICATION NUMBER: IL 115,319

FILING DATE: 14-SEP-1995

APPLICATION NUMBER: IL 116,588

FILING DATE: 27-DEC-1995

APPLICATION NUMBER: IL 117,932

FILING DATE: 16-APR-1996

ATTORNEY/AGENT INFORMATION:

NAME: Biowdy, Roger L.

REGISTRATION NUMBER: 25,618

REFERENCE/DOCKET NUMBER: WALLACH=19

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 628-5197

TELEFAX: (202) 737-3528

INFORMATION FOR SEQ ID NO: 30:

SEQUENCE CHARACTERISTICS:

LENGTH: 277 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 30:

US-09-516-747-30

Query Match 44.5%; Score 716; DB 4; Length 277;
Best Local Similarity 50.5%; Pred. No. 3.7e-73;
Matches 143; Conservative 50; Mismatches 78; Indels 12; Gaps 3;

QY 18 EDSDYAKPDRSSVPSLFSKSKKQVMTSRISIKTRDRVPTQYNNNEKLGKCIINNKNF 77
DB 5 ENSVDSKSIK-NLEPKIIHSEMSDGLSDNS-----YKMDPEMGLCIIINNKNF 55
QY 78 DRYTGVNGVNGTDKDAEALFKCFRSLGFVIVYVNDSCAKMODLLKASEEDHTNACFA 137
DB 56 HKSTGMTSRSGTVDANLRETRFNKLYEVRNKNDLTREIIVELMKDVSKEHSKSSSEFV 115
QY 138 CILSHGEENVYIGKGVPIKDLTAHFRGDRCKTLEKPKLFFIQACRGTELDADAIOAD 197
DB 116 CVLLSHGEBGILFTGNGPVDLKKITNFRDRCRSLTGKPKLFIQACRGTELDGCIETD 175
QY 198 SGPINDTDANPRYKIPVEADFLFAYSTVPGYYSWRSPGSGWVQALCSILEHGXDLFI 257
DB 176 SGVDDMAC--HKIPDADFLVAYSTAPGYYSWRNSKDSWFIQSLCAVLKQYADKLEF 232
QY 258 MQLTRVNDVRAHFEQSDDPHHEKKQIPCVVSMLTKELYF 300
DB 233 MHLTRVNRKVAETFEFSFDPATFHAQKQIPCLVSMLTKELYF 275

RESULT 13

PCT-US96-10521-30

Sequence 30, Application PC/TUS9610521

GENERAL INFORMATION:

APPLICANT:

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS

AND OTHER PROTEINS

NUMBER OF SEQUENCES: 34

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30 (EBO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US96/10521

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: IL 114,615

FILING DATE: 16-JUL-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: IL 114,986

FILING DATE: 17-AUG-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: IL 115,319

FILING DATE: 14-SEP-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: IL 116,588

FILING DATE: 27-DEC-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: IL 117,932

FILING DATE: 16-APR-1996

INFORMATION FOR SEQ ID NO: 30:

SEQUENCE CHARACTERISTICS:

LENGTH: 277 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-10521-30

Query Match 44.5%; Score 716; DB 5; Length 277;
Best Local Similarity 50.5%; Pred. No. 3,7e-73;
Matches 143; Conservative 50; Mismatches 78; Indels 12; Gaps 3;

QY 18 EDSDVAKPPRSSFVSLFSSKKKQNTMSIKTTDRVPVYQYNNMFEKLGKCIINNKF 77
DB 5 ENSVDKSKIK-NLEPKIIGHSSMSGSLDMS-----YKMYPEMGCLIIINNKF 55
QY 78 DKVTGNGVNGTDKCAEALFKCFSLGFVDIVYNDSCAKKODLKKASEEDHTNACFA 137
DB 56 HKSTGWTSSGTDVDANLRETFRNLYEVRKNDLTREIEIVELMRDYSKEDHSKRSSTFV 115
QY 138 CILLSHGENVNYGKGVPIPIDLTAHPGDSCKTLLKPKLFFIQACRGTELDPAIOAD 197
DB 116 CVLLSHGEGGILFGTNGPVDLKKTTFRRGDCRSLTGKPKLFTIQACRGTELDGCIETD 175
QY 198 SGPINDTDANPRYKIPVEADFLFVASTVPGYYSWRS PGRGSWFVALCSILEHGKDLFI 257
DB 176 SGVDDMAC--HKIPVDADFLVASTAGYYSWRSKDGSWFIQSLCAMLKQYADKLEF 232
QY 258 MQLITRVNDRVARHFSQSDDPHFHEKKQIPCVSMLTKELYE 300
DB 233 MHLITRVNKRKVAEFESFSFDATFPAKKQIPCTIVSWLTKELYE 275

RESULT 14

US-08-964-308-10

Sequence 10, Application US/08964308

Patent No. 6066715

GENERAL INFORMATION:

APPLICANT: DESMARAIS, SYLVIE

APPLICANT: FRIESEN, RICHARD

APPLICANT: ZAMBONI, ROBERT

TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE

TITLE OF INVENTION: BINDING ASSAY

NUMBER OF SEQUENCES: 15

CORRESPONDENCE ADDRESS:

ADDRESSEE: ROBERT J. NORTH - MERCK & CO., INC.

STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000

CITY: RAHWAY

STATE: NJ

COUNTRY: USA

ZIP: 07065

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy Diskette

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/964,308

FILING DATE: 04-NOV-1996

CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: NORTH, ROBERT J

REGISTRATION NUMBER: 27,366

REFERENCE/DOCKET NUMBER: 19840 PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: 732-594-7262

TELEFAX: 732-594-4720

TELEX:

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 277 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-964-308-10

Query Match 44.1%; Score 709; DB 3; Length 277;
Best Local Similarity 50.5%; Pred. No. 2,3e-72;
Matches 143; Conservative 49; Mismatches 79; Indels 12; Gaps 3;

QY 18 EDSDVAKPPRSSFVSLFSSKKKQNTMSIKTTDRVPVYQYNNMFEKLGKCIINNKF 77
DB 5 ENSVDKSKIK-NLEPKIIGHSSMSGSLDMS-----YKMYPEMGCLIIINNKF 55
QY 78 DKVTGNGVNGTDKCAEALFKCFSLGFVDIVYNDSCAKKODLKKASEEDHTNACFA 137
DB 56 HKSTGWTSSGTDVDANLRETFRNLYEVRKNDLTREIEIVELMRDYSKEDHSKRSSTFV 115
QY 138 CILLSHGENVNYGKGVPIPIDLTAHPGDSCKTLLKPKLFFIQACRGTELDPAIOAD 197
DB 116 CVLLSHGEGGILFGTNGPVDLKKTTFRRGDCRSLTGKPKLFTIQACRGTELDGCIETD 175
QY 198 SGPINDTDANPRYKIPVEADFLFVASTVPGYYSWRS PGRGSWFVALCSILEHGKDLFI 257
DB 176 SGVDDMAC--HKIPVDADFLVASTAGYYSWRSKDGSWFIQSLCAMLKQYADKLEF 232
QY 258 MQLITRVNDRVARHFSQSDDPHFHEKKQIPCVSMLTKELYE 300
DB 233 MHLITRVNKRKVAEFESFSFDATFPAKKQIPCTIVSWLTKELYE 275

RESULT 15

US-08-964-313-10

Sequence 10, Application US/08964313

Patent No. 6114132

GENERAL INFORMATION:

APPLICANT: DESMARAIS, SYLVIE

APPLICANT: FRIESEN, RICHARD

APPLICANT: GRESSER, MICHAEL

APPLICANT: KENNEDY, BRIAN

APPLICANT: NICHOLSON, DONALD

APPLICANT: RAMACHANDRAN, CHIDAMABARAN

APPLICANT: SKOREY, KATHRYN

APPLICANT: FORD-HUTCHINSON, ANTHONY

TITLE OF INVENTION: PHOSPHATASE BINDING ASSAY

NUMBER OF SEQUENCES: 15

CORRESPONDENCE ADDRESS:

ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.

STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000

CITY: RAHWAY

STATE: NJ

COUNTRY: USA

ZIP: 07065

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/964,313

FILING DATE: 04-NOV-1997

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/030,408

FILING DATE: 04-NOV-1996

APPLICATION NUMBER: PCT/CA97/00825

FILING DATE: 03-NOV-1996

ATTORNEY/AGENT INFORMATION:

NAME: DURETTE, PHILIPPE L.

REGISTRATION NUMBER: 35,125

REFERENCE/DOCKET NUMBER: 19824Y

TELECOMMUNICATION INFORMATION:

TELEPHONE: 732-594-4568

TELEFAX: 732-594-4720

TELEX:

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 277 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-964-313-10

Query Match 44.1%; Score 709; DB 3; Length 277;
Best Local Similarity 50.5%; Pred. No. 2.3e-72;
Matches 143; Conservative 49; Mismatches 79; Indels 12; Gaps 3;

QY	18	EDSVDAKPDSSSVPSLFSKKKAVTMSIKITRDVPTVQVNMNFEKLGKCIINKNF	77
DB	5	ENSVDSKSIK-NLEPKIHGSESMDSGISLDS-----YMDYPEWGLCIIINKNF	55
QY	78	DYVTGMGVNGLTDKDAEALFKCFRSLGFVDIVYNDCSCAMODLLKKASEEDHTNAACFA	137
DB	56	HKSTGMTSRSGTVDANLRETFRNLYEVNKNDLTRELIVELMRDVSKEDSKRSSEFV	115
QY	138	CIILSGEENVYIGKGVTFIKDLTAHFRGDRCKTLLEKPLFFIQACRGTEDDAIAD	197
DB	116	CYLLSHGEEGIIFGTNGPVDLKKITNFRGDRCSLTGKPLFIIOASRGTEDCGIFTD	175
QY	198	SCPINDIPANPRYKIPVADFLPAYSTVPGYSWRSPGRGWFVALCSILBEHGKLEI	257
DB	176	SGVDDMAC--HKIPVADFLPAYSTVPGYSWRSPGRGWFVALCSILBEHGKLEI	232
QY	258	MQILTRVNDVVAHFESQDDPHFHEKKQIPCVYSMLTKELF	300
DB	233	MHILTRVNRVATEEFESFSDATFHAKQIPCIYSMLTKELF	275

Search completed: December 30, 2003, 06:41:11
Job time : 22 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 29, 2003, 16:35:56 / Search time 36 Seconds

(without alignments)
1531.329 Million cell updates/sec

Title: US-09-895-263b-4

Perfect score: 1463
Sequence: 1 MENTNSVDSKSKINLEPKI.....AKKQIPCTIVMTRELYFH 277

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 724715 seqs, 199017464 residues

Total number of hits satisfying chosen parameters: 435251

Minimum DB seq length: 0

Maximum DB seq length: 277

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database:

Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
- 2: /cgn2_6/ptodata/1/pubpaa/PCR_NEW_PUB.pep:*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
- 4: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
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- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
- 9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
- 10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
- 12: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
- 13: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
- 14: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
- 16: /cgn2_6/ptodata/1/pubpaa/US10C_NEW_PUB.pep:*
- 17: /cgn2_6/ptodata/1/pubpaa/US10C_NEW_PUB.pep:*
- 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1463	100.0	277	9	US-09-895-263b-4
2	1463	100.0	277	15	US-10-214-932-108
3	1463	100.0	277	15	US-10-207-655-202
4	1460	99.8	277	10	US-09-954-697-12
5	1460	99.8	277	12	US-09-851-873-98
6	1460	99.8	277	12	US-10-280-670-5
7	1460	99.8	277	12	US-10-368-438-30
8	1460	99.8	277	12	US-10-155-567-4
9	1397	95.5	264	14	US-10-103-448-3
10	833	56.9	182	9	US-09-809-905-2
11	771	52.7	147	15	US-10-214-932-110
12	551	37.7	102	15	US-10-214-932-112
13	551	37.7	102	15	US-10-171-077-7
14	418.5	28.6	204	15	US-10-171-077-7
15	342.5	23.4	266	12	US-10-368-438-20

16	316	21.6	167	9	US-09-864-761-48728
17	274.5	18.8	242	9	US-09-764-803A-24
18	274.5	18.8	242	9	US-09-845-028-2
19	274.5	18.8	242	9	US-09-845-028-9
20	274.5	18.8	242	12	US-09-851-873-105
21	274	18.7	257	9	US-09-764-803A-2
22	274	18.7	260	10	US-09-989-903-2
23	274	18.7	260	15	US-10-068-564-2
24	273.5	18.7	242	10	US-09-989-903-5
25	273.5	18.7	242	15	US-10-068-564-5
26	271.5	18.6	229	9	US-09-764-803A-4
27	250	17.1	51	10	US-09-989-903-34
28	250	17.1	51	15	US-10-068-564-34
29	244	16.7	58	10	US-09-989-903-27
30	244	16.7	58	15	US-10-068-564-27
31	240.5	16.4	123	9	US-09-864-761-47950
32	229.5	15.7	214	10	US-09-989-903-9
33	229.5	15.7	214	15	US-10-068-564-9
34	227.5	15.6	253	15	US-10-198-070-28
35	217	14.8	42	10	US-09-989-903-33
36	217	14.8	42	15	US-10-068-564-33
37	205.5	14.0	223	10	US-09-989-903-22
38	204.5	14.0	230	10	US-09-989-903-7
39	204.5	14.0	230	15	US-10-068-564-7
40	191	13.1	39	10	US-09-989-903-30
41	191	13.1	39	15	US-10-068-564-30
42	190	13.0	47	10	US-09-989-903-28
43	190	13.0	47	15	US-10-068-564-28
44	180	12.3	277	12	US-09-851-873-8
45	177	12.1	52	10	US-09-989-903-40

ALIGNMENTS

RESULT 1
US-09-895-263b-4
Sequence 4, Application US/09895263

Patent No. US20020076793A1

GENERAL INFORMATION:

APPLICANT: He, Wei-Wu et al.

TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS: Human Genome Sciences, Inc.

ADDRESS: 9410 Key West Ave.

CITY: Rockville

STATE: MD

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/895,263

FILING DATE: 02-Jul-2001

CLASSIFICATION: <unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: <unknown>

FILING DATE: <unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Jonathan L. Klein

REGISTRATION NUMBER: 41,115

REFERENCE/DOCKET NUMBER: P1140

TELECOMMUNICATION INFORMATION:

TELEPHONE: 301-251-6015

TELEFAX: 301-309-8439

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 277 amino acids

Sequence 48728, A
Sequence 24, Appl
Sequence 2, Appl
Sequence 9, Appl
Sequence 105, App
Sequence 2, Appl
Sequence 2, Appl
Sequence 5, Appl
Sequence 4, Appl
Sequence 34, Appl
Sequence 27, Appl
Sequence 27, Appl
Sequence 47950, A
Sequence 9, Appl
Sequence 9, Appl
Sequence 28, Appl
Sequence 33, Appl
Sequence 33, Appl
Sequence 22, Appl
Sequence 7, Appl
Sequence 30, Appl
Sequence 28, Appl
Sequence 28, Appl
Sequence 8, Appl
Sequence 40, Appl

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4
US-09-895-263-4

Query Match 100.0%; Score 1463; DB 9; Length 277;
Best Local Similarity 100.0%; Pred. No. 1.2e-143;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKINLEPKIIGHSESDSGISLDSNYKMDYPEWGLCIINNNKQFHKSTG 60
DB 1 MENTENSVDKSKINLEPKIIGHSESDSGISLDSNYKMDYPEWGLCIINNNKQFHKSTG 60
QY 61 MTSRSGTDVDAANIREFRNLKYEVRNKNDLTREIYELMRDVSKEHRSKRSFVCVLLS 120
DB 61 MTSRSGTDVDAANIREFRNLKYEVRNKNDLTREIYELMRDVSKEHRSKRSFVCVLLS 120
QY 121 HGEEGIIFGTNGPVDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
DB 121 HGEEGIIFGTNGPVDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPEVADFLVASTAGYYSWRNSKDGSWFIQSLCAMLKQYADKLEFPHILTRVN 240
DB 181 DMACHKIPEVADFLVASTAGYYSWRNSKDGSWFIQSLCAMLKQYADKLEFPHILTRVN 240
QY 241 RKVATFEFSFSDATFPAKKQIPCIIVSMLTKELYFYH 277
DB 241 RKVATFEFSFSDATFPAKKQIPCIIVSMLTKELYFYH 277

RESULT 2
US-10-214-932-108
Sequence 108; Application US/10214932
Publication No. US20030100707A1
GENERAL INFORMATION:
APPLICANT: HWANG, Inhwan
APPLICANT: KIM, Dae Heon
APPLICANT: LEE, Yong Jik
TITLE OF INVENTION: SYSTEM FOR DETECTING PROTEASE
FILE REFERENCE: APO2/US
CURRENT APPLICATION NUMBER: US/10/214,932
CURRENT FILING DATE: 2002-08-08
NUMBER OF SEQ ID NOS: 133
SOFTWARE: PatentIn version 3.1
SEQ ID NO 108
LENGTH: 277
TYPE: PRT
ORGANISM: Homo sapiens
US-10-214-932-108

Query Match 100.0%; Score 1463; DB 15; Length 277;
Best Local Similarity 100.0%; Pred. No. 1.2e-143;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKINLEPKIIGHSESDSGISLDSNYKMDYPEWGLCIINNNKQFHKSTG 60
DB 1 MENTENSVDKSKINLEPKIIGHSESDSGISLDSNYKMDYPEWGLCIINNNKQFHKSTG 60
QY 61 MTSRSGTDVDAANIREFRNLKYEVRNKNDLTREIYELMRDVSKEHRSKRSFVCVLLS 120
DB 61 MTSRSGTDVDAANIREFRNLKYEVRNKNDLTREIYELMRDVSKEHRSKRSFVCVLLS 120
QY 121 HGEEGIIFGTNGPVDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
DB 121 HGEEGIIFGTNGPVDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPEVADFLVASTAGYYSWRNSKDGSWFIQSLCAMLKQYADKLEFPHILTRVN 240
DB 181 DMACHKIPEVADFLVASTAGYYSWRNSKDGSWFIQSLCAMLKQYADKLEFPHILTRVN 240
QY 241 RKVATFEFSFSDATFPAKKQIPCIIVSMLTKELYFYH 277

DB 241 RKVATFEFSFSDATFPAKKQIPCIIVSMLTKELYFYH 277

RESULT 3
US-10-207-655-202
Sequence 202; Application US/10207655
Publication No. US20030118592A1
GENERAL INFORMATION:
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Hayden-Ledbetter, Martha S.
TITLE OF INVENTION: BINDING DOMAIN-IMMUNOGLOBULIN FUSION PROTEINS
FILE REFERENCE: 390069.401C1
CURRENT APPLICATION NUMBER: US/10/207,655
CURRENT FILING DATE: 2002-07-25
NUMBER OF SEQ ID NOS: 426
SOFTWARE: PatentIn version 3.0
SEQ ID NO 202
LENGTH: 277
TYPE: PRT
ORGANISM: Homo sapiens
US-10-207-655-202

Query Match 100.0%; Score 1463; DB 15; Length 277;
Best Local Similarity 100.0%; Pred. No. 1.2e-143;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKINLEPKIIGHSESDSGISLDSNYKMDYPEWGLCIINNNKQFHKSTG 60
DB 1 MENTENSVDKSKINLEPKIIGHSESDSGISLDSNYKMDYPEWGLCIINNNKQFHKSTG 60
QY 61 MTSRSGTDVDAANIREFRNLKYEVRNKNDLTREIYELMRDVSKEHRSKRSFVCVLLS 120
DB 61 MTSRSGTDVDAANIREFRNLKYEVRNKNDLTREIYELMRDVSKEHRSKRSFVCVLLS 120
QY 121 HGEEGIIFGTNGPVDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
DB 121 HGEEGIIFGTNGPVDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPEVADFLVASTAGYYSWRNSKDGSWFIQSLCAMLKQYADKLEFPHILTRVN 240
DB 181 DMACHKIPEVADFLVASTAGYYSWRNSKDGSWFIQSLCAMLKQYADKLEFPHILTRVN 240
QY 241 RKVATFEFSFSDATFPAKKQIPCIIVSMLTKELYFYH 277
DB 241 RKVATFEFSFSDATFPAKKQIPCIIVSMLTKELYFYH 277

RESULT 4
US-09-954-697-12
Sequence 12; Application US/09954697
Patent No. US20020106631A1
GENERAL INFORMATION:
APPLICANT: Alment, Ema S.
TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USSES
TITLE OF INVENTION: THEROF
FILE REFERENCE: 480140.431D2
CURRENT APPLICATION NUMBER: US/09/954,697
CURRENT FILING DATE: 2001-09-14
NUMBER OF SEQ ID NOS: 116
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 12
LENGTH: 277
TYPE: PRT
ORGANISM: Homo sapien
US-09-954-697-12

Query Match 99.8%; Score 1460; DB 10; Length 277;
Best Local Similarity 99.8%; Pred. No. 2.5e-143;
Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKINLEPKIIGHSESDSGISLDSNYKMDYPEWGLCIINNNKQFHKSTG 60

Db 1 MENTENSVDKSIKNLEPKIIGHSEMSDGLSDNSYKMDYEMGLCIIINNNKHKSTG 60
 QY 61 MTSRSGTDVDAANLRETFRNLYEVRANKNDLTREIYELMRDVSKEDESKSSFCVLLS 120
 Db 61 MTSRSGTDVDAANLRETFRNLYEVRANKNDLTREIYELMRDVSKEDESKSSFCVLLS 120
 QY 121 HGEEGIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGYDD 180
 Db 121 HGEEGIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGYDD 180
 QY 181 DMACHKIPVADADFLVASTAPGYYSWRNSKDGSMFIOQLCAMLKQYADLCEPMHILTRVN 240
 Db 181 DMACHKIPVADADFLVASTAPGYYSWRNSKDGSMFIOQLCAMLKQYADLCEPMHILTRVN 240
 QY 241 RKVATEFESFSDATFAKKQIPCIIVSMLTKELYFYH 277
 Db 241 RKVATEFESFSDATFAKKQIPCIIVSMLTKELYFYH 277

RESULT 5

US-09-851-873-98
 ; Sequence 98, Application US/09851873
 ; Publication No. US20030165488A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Klezzen, Rolf F
 ; APPLICANT: Reardon, Irene M
 ; APPLICANT: Weiland, Katherine L
 ; TITLE OF INVENTION: HUMAN CASPASE-12 MATERIALS AND METHODS
 ; FILE REFERENCE: 28341/00233
 ; CURRENT APPLICATION NUMBER: US/09/851,873
 ; CURRENT FILING DATE: 2001-05-08
 ; NUMBER OF SEQ ID NOS: 105
 ; SOFTWARE: Patent In Ver. 2.0
 ; SEQ ID NO: 98
 ; LENGTH: 277
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-851-873-98

Query Match

99.8%; Score 1460; DB 12; Length 277;
 Best Local Similarity 99.6%; Pred. No. 2.5e-143;
 Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSIKNLEPKIIGHSEMSDGLSDNSYKMDYEMGLCIIINNNKHKSTG 60
 Db 1 MENTENSVDKSIKNLEPKIIGHSEMSDGLSDNSYKMDYEMGLCIIINNNKHKSTG 60
 QY 61 MTSRSGTDVDAANLRETFRNLYEVRANKNDLTREIYELMRDVSKEDESKSSFCVLLS 120
 Db 61 MTSRSGTDVDAANLRETFRNLYEVRANKNDLTREIYELMRDVSKEDESKSSFCVLLS 120
 QY 121 HGEEGIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGYDD 180
 Db 121 HGEEGIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGYDD 180
 QY 181 DMACHKIPVADADFLVASTAPGYYSWRNSKDGSMFIOQLCAMLKQYADLCEPMHILTRVN 240
 Db 181 DMACHKIPVADADFLVASTAPGYYSWRNSKDGSMFIOQLCAMLKQYADLCEPMHILTRVN 240
 QY 241 RKVATEFESFSDATFAKKQIPCIIVSMLTKELYFYH 277
 Db 241 RKVATEFESFSDATFAKKQIPCIIVSMLTKELYFYH 277

RESULT 6

US-10-280-670-5
 ; Sequence 5, Application US/10280670
 ; Publication No. US20030170812A1
 ; GENERAL INFORMATION:
 ; APPLICANT: JUAN, SHAO-CHIEH
 ; APPLICANT: FLETCHER, FREDERICK A.
 ; APPLICANT: PATTERSON, SCOTT D.
 ; TITLE OF INVENTION: INTERLEUKIN-1-BETA CONVERTING ENZYME LIKE CYSTEINE

; TITLE OF INVENTION: PROTEASE
 ; FILE REFERENCE: 06843-0019-01000
 ; CURRENT APPLICATION NUMBER: US/10/280,670
 ; CURRENT FILING DATE: 2002-10-24
 ; PRIOR APPLICATION NUMBER: 09/724,378
 ; PRIOR FILING DATE: 1996-10-01
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: Patent In Ver. 2.1
 ; SEQ ID NO: 5
 ; LENGTH: 277
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-280-670-5

Query Match 99.8%; Score 1460; DB 12; Length 277;
 Best Local Similarity 99.6%; Pred. No. 2.5e-143;
 Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSIKNLEPKIIGHSEMSDGLSDNSYKMDYEMGLCIIINNNKHKSTG 60
 Db 1 MENTENSVDKSIKNLEPKIIGHSEMSDGLSDNSYKMDYEMGLCIIINNNKHKSTG 60
 QY 61 MTSRSGTDVDAANLRETFRNLYEVRANKNDLTREIYELMRDVSKEDESKSSFCVLLS 120
 Db 61 MTSRSGTDVDAANLRETFRNLYEVRANKNDLTREIYELMRDVSKEDESKSSFCVLLS 120
 QY 121 HGEEGIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGYDD 180
 Db 121 HGEEGIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGYDD 180
 QY 181 DMACHKIPVADADFLVASTAPGYYSWRNSKDGSMFIOQLCAMLKQYADLCEPMHILTRVN 240
 Db 181 DMACHKIPVADADFLVASTAPGYYSWRNSKDGSMFIOQLCAMLKQYADLCEPMHILTRVN 240
 QY 241 RKVATEFESFSDATFAKKQIPCIIVSMLTKELYFYH 277
 Db 241 RKVATEFESFSDATFAKKQIPCIIVSMLTKELYFYH 277

RESULT 7

US-10-368-438-30
 ; Sequence 30, Application US/10368438
 ; Publication No. US20030219411A1
 ; GENERAL INFORMATION:
 ; APPLICANT: David WALLACH
 ; Mark P. BOLDIN
 ; Yury V. GOLTSSEV
 ; Tanya M. GONCHAROV

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
 AND OTHER PROTEINS

NUMBER OF SEQUENCES: 34
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Broadway and Newark
 STREET: 419 Seventh Street N.W., Ste. 300
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20004

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/368,438
 FILING DATE: 20-Feb-2003
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/983,502
 FILING DATE: 16-JAN-1998

APPLICATION NUMBER: PCT/US96/10521
 FILING DATE: 14-JUN-1996
 APPLICATION NUMBER: IL 114,615
 FILING DATE: 16-JUL-1995

APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH=19
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 30:
US-10-368-438-30

Query Match
Best Local Similarity 99.8%; Score 1460; DB 12; Length 277;
Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Db
1 MENTENSVDKSKIKLEPKIIHGSESDSGISLDSNYSKMDYPMGICIIINNNFKHSTG 60
QY
1 MENTENSVDKSKIKLEPKIIHGSESDSGISLDSNYSKMDYPMGICIIINNNFKHSTG 60
Db
1 MENTENSVDKSKIKLEPKIIHGSESDSGISLDSNYSKMDYPMGICIIINNNFKHSTG 60
QY
61 MTSRSGTDVDAANLRETFRNLYKYEVRNKNDLTREIYELMRDYSKEDHSKRSSFVCLLS 120
Db
61 MTSRSGTDVDAANLRETFRNLYKYEVRNKNDLTREIYELMRDYSKEDHSKRSSFVCLLS 120
QY
121 HGEGLIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
Db
121 HGEGLIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
QY
161 DMACHKIPEADFLYASTAPGYYSWNSKDGSMFTQSLCAMLKQYADKLEFHHILTRVN 240
Db
161 DMACHKIPEADFLYASTAPGYYSWNSKDGSMFTQSLCAMLKQYADKLEFHHILTRVN 240
QY
241 RKVATEFESEFSDATFPAKKQIPCIIVSMLTKELYFYH 277
Db
241 RKVATEFESEFSDATFPAKKQIPCIIVSMLTKELYFYH 277

RESULT 8
US-10-155-567-4
Sequence 4, Application US/10155567
Publication No. US20030219421A1
GENERAL INFORMATION:
APPLICANT: CHISTAKOS, Sylvia
TITLE OF INVENTION: CALBINDIN-D 28K PROTECTION AGAINST GLUCOCORTICOID INDUCED CELL DE
FILE REFERENCE: 267/266
CURRENT APPLICATION NUMBER: US/10/155,567
CURRENT FILING DATE: 2002-05-23
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PatentIn version 3.1
SEQ ID NO 4
LENGTH: 277
TYPE: PRT
ORGANISM: homomapiens
US-10-155-567-4

Query Match
Best Local Similarity 98.5%; Score 1441; DB 12; Length 277;
Matches 272; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY
1 MENTENSVDKSKIKLEPKIIHGSESDSGISLDSNYSKMDYPMGICIIINNNFKHSTG 60

Db
1 MENTENSVDKSKIKLEPKIIHGSESDSGISLDSNYSKMDYPMGICIIINNNFKHSTG 60
QY
61 MTSRSGTDVDAANLRETFRNLYKYEVRNKNDLTREIYELMRDYSKEDHSKRSSFVCLLS 120
Db
61 MTSRSGTDVDAANLRETFRNLYKYEVRNKNDLTREIYELMRDYSKEDHSKRSSFVCLLS 120
QY
121 HGEGLIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
Db
121 HGEGLIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
QY
161 DMACHKIPEADFLYASTAPGYYSWNSKDGSMFTQSLCAMLKQYADKLEFHHILTRVN 240
Db
161 DMACHKIPEADFLYASTAPGYYSWNSKDGSMFTQSLCAMLKQYADKLEFHHILTRVN 240
QY
241 RKVATEFESEFSDATFPAKKQIPCIIVSMLTKELYFYH 277
Db
241 RKVATEFESEFSDATFPAKKQIPCIIVSMLTKELYFYH 277

RESULT 9
US-10-103-448-3
Sequence 3, Application US/10103448
Publication No. US20020155579A1
GENERAL INFORMATION:
APPLICANT: Krebs, Joseph F.
APPLICANT: Srinivasan, Anu
APPLICANT: Fritz, Lawrence C.
APPLICANT: Wu, Joseph C.
TITLE OF INVENTION: MEMBRANE DERIVED CASPASE-3, COMPOSITIONS
FILE REFERENCE: 480140,468D1
CURRENT FILING DATE: 2002-03-20
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for windows Version 4.0
SEQ ID NO 3
LENGTH: 264
TYPE: PRT
ORGANISM: Homo sapien
US-10-103-448-3

Query Match
Best Local Similarity 95.5%; Score 1397; DB 14; Length 264;
Matches 263; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Db
1 KNLPEKIIHGSESDSGISLDSNYSKMDYPMGICIIINNNFKHSTGMSRSGTDVDAAN 60
QY
14 KNLPEKIIHGSESDSGISLDSNYSKMDYPMGICIIINNNFKHSTGMSRSGTDVDAAN 73
Db
1 KNLPEKIIHGSESDSGISLDSNYSKMDYPMGICIIINNNFKHSTGMSRSGTDVDAAN 60
QY
74 LRETFRNLYKYEVRNKNDLTREIYELMRDYSKEDHSKRSSFVCLLSHGEGLIFGTNGP 133
Db
61 LRETFRNLYKYEVRNKNDLTREIYELMRDYSKEDHSKRSSFVCLLSHGEGLIFGTNGP 120
QY
134 VDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVDMDMACHKIPEADFL 153
Db
121 VDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVDMDMACHKIPEADFL 160
QY
194 LYASTAGYYSWNSKDGSMFTQSLCAMLKQYADKLEFHHILTRVNKKVATEFESEFSD 253
Db
161 LYASTAGYYSWNSKDGSMFTQSLCAMLKQYADKLEFHHILTRVNKKVATEFESEFSD 240
QY
254 ATFAKKQIPCIIVSMLTKELYFYH 277
Db
241 ATFAKKQIPCIIVSMLTKELYFYH 264

RESULT 10
US-10-108-929-3
Sequence 3, Application US/10108929
Publication No. US20020197702A1
GENERAL INFORMATION:
APPLICANT: Krebs, Joseph F.

APPLICANT: Srinivasan, Ann
 APPLICANT: Fritz, Lawrence C.
 APPLICANT: Wu, Joseph C.
 TITLE OF INVENTION: MEMBRANE DERIVED CASPASE-3, COMPOSITIONS
 TITLE OF INVENTION: COMPRISING THE SAME AND METHODS OF USE THEREFOR
 FILE REFERENCE: 480140, 46802
 CURRENT APPLICATION NUMBER: US/10/108, 929
 CURRENT FILING DATE: 2002-03-26
 NUMBER OF SEQ ID NOS: 7
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO: 3
 LENGTH: 264
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-108-929-3

Query Match
 Best Local Similarity 95.5%; Score 1397; DB 14; Length 264;
 Best Local Similarity 99.6%; Pred. No. 8, 4e-137;
 Matches 263; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 14 KLEPKIIHGSESMDSGISLDNSYKMDYPMGLCIIINKNFHKSTGTSRSGTDVDAAN 73
 DB 1 KLEPKIIHGSESMDSGISLDNSYKMDYPMGLCIIINKNFHKSTGTSRSGTDVDAAN 60
 QY 74 LRETFNKLKYEVRANKDILREIIVELMRDVSKEDESKRSSFVCVLLSHGEEGIIIFGTNGP 133
 DB 61 LRETFNKLKYEVRANKDILREIIVELMRDVSKEDESKRSSFVCVLLSHGEEGIIIFGTNGP 120
 QY 134 VDLKKTITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETSDGVDDMACHKIPEADF 193
 DB 121 VDLKKTITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETSDGVDDMACHKIPEADF 180
 QY 194 LVAYSTAPGYSWRNSKDGSMFIOSLCAMLKOYADLEFMMHILTRVNRKVATEPESFSD 253
 DB 181 LVAYSTAPGYSWRNSKDGSMFIOSLCAMLKOYADLEFMMHILTRVNRKVATEPESFSD 240
 QY 254 ATEFAKKQIPCIIVSMLTKELYFYH 277
 DB 241 ATEFAKKQIPCIIVSMLTKELYFYH 264

RESULT 11
 US-09-809-905-2
 Sequence 2, Application US/09809905
 Patent No. US2002001806a1
 GENERAL INFORMATION:
 APPLICANT: Huang, Yuanhui
 APPLICANT: Sun, Yi
 APPLICANT: Wang, Kevin Ka-Wang
 TITLE OF INVENTION: CASPASE-3S SPLICING VARIANT
 FILE REFERENCE: U.S. Application A000224
 CURRENT APPLICATION NUMBER: US/09/809, 905
 CURRENT FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/204, 468
 PRIOR FILING DATE: 2000-05-16
 NUMBER OF SEQ ID NOS: 5
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 2
 LENGTH: 182
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-809-905-2

Query Match
 Best Local Similarity 56.9%; Score 833; DB 9; Length 182;
 Best Local Similarity 100.0%; Pred. No. 2, 1e-78;
 Matches 161; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKIKLEPKIIHGSESMDSGISLDNSYKMDYPMGLCIIINKNFHKSTG 60
 DB 1 MENTENSVDKSKIKLEPKIIHGSESMDSGISLDNSYKMDYPMGLCIIINKNFHKSTG 60
 QY 61 MTSRSGTDVDAANLRETFNKLKYEVRANKDILREIIVELMRDVSKEDESKRSSFVCVLLS 120

DB 61 MTSRSGTDVDAANLRETFNKLKYEVRANKDILREIIVELMRDVSKEDESKRSSFVCVLLS 120
 QY 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIIO 161
 DB 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIIO 161

RESULT 12
 US-10-214-932-110
 Sequence 110, Application US/10214932
 Publication No. US20030100707A1
 GENERAL INFORMATION:
 APPLICANT: HWANG, Inhwan
 APPLICANT: KIM, Dae Heon
 APPLICANT: LEE, Yong Jik
 TITLE OF INVENTION: SYSTEM FOR DETECTING PROTEASE
 FILE REFERENCE: APB02/US
 CURRENT APPLICATION NUMBER: US/10/214, 932
 CURRENT FILING DATE: 2002-08-08
 NUMBER OF SEQ ID NOS: 133
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 110
 LENGTH: 147
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-214-932-110

Query Match
 Best Local Similarity 52.7%; Score 771; DB 15; Length 147;
 Best Local Similarity 100.0%; Pred. No. 4, 4e-72;
 Matches 147; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 29 SGISLDNSYKMDYPMGLCIIINKNFHKSTGTSRSGTDVDAANLRETFNKLKYEVRNK 88
 DB 1 SGISLDNSYKMDYPMGLCIIINKNFHKSTGTSRSGTDVDAANLRETFNKLKYEVRNK 60
 QY 89 NDLREIIVELMRDVSKEDESKRSSFVCVLLSHGEEGIIIFGTNGPVDLKKITNFRGDRC 148
 DB 61 NDLREIIVELMRDVSKEDESKRSSFVCVLLSHGEEGIIIFGTNGPVDLKKITNFRGDRC 120
 QY 149 RSLTGKPKLFIIOACRGTELDGCIETD 175
 DB 121 RSLTGKPKLFIIOACRGTELDGCIETD 147

RESULT 13
 US-10-214-932-112
 Sequence 112, Application US/10214932
 Publication No. US20030100707A1
 GENERAL INFORMATION:
 APPLICANT: HWANG, Inhwan
 APPLICANT: KIM, Dae Heon
 APPLICANT: LEE, Yong Jik
 TITLE OF INVENTION: SYSTEM FOR DETECTING PROTEASE
 FILE REFERENCE: APB02/US
 CURRENT APPLICATION NUMBER: US/10/214, 932
 CURRENT FILING DATE: 2002-08-08
 NUMBER OF SEQ ID NOS: 133
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 112
 LENGTH: 102
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-214-932-112

Query Match
 Best Local Similarity 37.7%; Score 551; DB 15; Length 102;
 Best Local Similarity 100.0%; Pred. No. 1, 9e-49;
 Matches 102; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 176 SGVDDMACHKIPEADFLVYSTAPGYSWRNSKDGSMFIOSLCAMLKOYADLEFMMH 235
 DB 1 SGVDDMACHKIPEADFLVYSTAPGYSWRNSKDGSMFIOSLCAMLKOYADLEFMMH 60
 QY 236 LTRVNRKVATEPESFSDATEFAKKQIPCIIVSMLTKELYFYH 277

DB 61 LTRVNRKVALEFESFSDATFAKKOIPCIWSLTRELYFYH 102

RESULT 14
US-10-171-077-7
Sequence 7, Application US/10171077
Publication No. US20030022353A1
GENERAL INFORMATION:
APPLICANT: Litwack, Gerald
Altemir, Emad S.
Fernandez-Altemir, Teresa

TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE
PROTEASE,
AND COMPOSITIONS FOR MAKING AND
METHODS

NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:

ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &
No. US20030022353A1/15
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
FILING DATE: 12-Jun-2002
APPLICATION NUMBER: US/10/171,077
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/446,925
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TTU-1508
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439

INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 204 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 7:

US-10-171-077-7

Query Match 28.6%; Score 418.5; DB 15; Length 204;

Best Local Similarity 43.9%; Pred. No. 3.1e-35; Indels 13; Gaps 1;

Matches 82; Conservative 29; Mismatches 63;

DB 14 VSTVSHADADFCVFLSHGEGNIIYADAKIEIQTITGFKGKCHSLVGPKEIPIIOA 73

QY 103 VSKEDHSKRSSFVCLLSHGEGLIFGTNGPVDIKITNFPDRDRSLTGKPKLFIIOA 162

DB 163 CRGTLEDCGI-----ETDSGVDDMACHKIPEADFLVAYSTAPGYGMRNS 209

QY 74 CRGQHDVVPVPLDVNDQTEKLDITNTEVDASVYILPAGADFLMKSYAEGYSHRET 133

DB 210 KDSWFIQSLCAMLKQYADKLEFNMILLRVNRKVALEFESFSDATFAKKOIPCIWSML 269

QY 134 VNGSWYIQDLCEMLGKXSSLEFTELLTVNRKVSQRVDFCXDPKSAIGKKQVPCFASML 193

DB 270 TKELTFY 276

QY 194 TKKLHF 200

RESULT 15
US-10-368-438-20
Sequence 20, Application US/10368438
Publication No. US20030219411A1
GENERAL INFORMATION:

APPLICANT: David WALLACH
Mark P. BOLDIN
Tanya M. GONCHAROV
Yury V. GOLTSSEV

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
AND OTHER PROTEINS

NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:

ADDRESSEE: Broadway and Newark
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/368,438
FILING DATE: 20-Feb-2003

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/983,502
FILING DATE: 16-JAN-1998
APPLICATION NUMBER: PCT/US96/10521
FILING DATE: 14-JUN-1996
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH=19
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528

INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 266 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 20:

US-10-368-438-20

Query Match 23.4%; Score 342.5; DB 12; Length 266;

Best Local Similarity 38.0%; Pred. No. 3.6e-27; Indels 17; Gaps 6;

Matches 81; Conservative 42; Mismatches 73;

DB 74 LRETRNKKYVRKNDLREIYELMRDVSXEDHSKRSSFVCLLSHGEGLIFGTNG- 132

QY 57 LTTPEELHFEIKPHDDCTVEQIYELIKIYQMLDHSMDCHICILSHGKGIITGDSQ 116

DB 133 PVDLKKITNFRGDRCSRLTGKPKLFIIOACRGTELDGCI--ETDSG---VDDMACHK 166

QY 117 EAPIYELTSQFTGLKCPSLAGKPKVFFIQACQGNVYKGIPEVETDSEGCYLEMDSSPQ 176

DB 187 ---LPEADFLIYASTAGYISWRNSDGSWFIQSLCAMLKQYADK-LERFMILLTVNRK 242

Db	177	TRYIPDEADFLIGMAIVNNVCVSYRNPAGEIWIOSLCSLRERCPRGDDILITLFEVNYE	236
Qy	243	VATEFESFSDATFPAKQIPCIIVSMLTKELYE	275
Db	237	VSNNK-----DDKNNMGKQMPQPTFLRKLYE	263

Search completed: December 29, 2003, 16:41:45
 Job time : 37 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 30, 2003, 06:28:12 ; Search time 32 Seconds

(without alignments) 1878.227 Million cell updates/sec

Title: US-09-895-263b-2_COPY_2_303

Perfect score: 1609

Sequence: 1 ADDQCIIEQGVSDSANDS.....EKKQIPCVSMUTKELYSQ 302

Scoring table:

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Gapop 10.0 , Gapext 0.5

Searched:

724715 seqs, 199017464 residues

462917

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 302

Post-processing:

Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: Published Applications_AA*

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2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*

3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*

4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*

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13: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep.*

14: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*

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18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	778.5	48.4	253	US-10-198-070-28	Sequence 28, Appl
2	719	44.7	277	US-09-895-263-4	Sequence 108, Appl
3	719	44.7	277	US-10-214-932-108	Sequence 108, Appl
4	719	44.7	277	US-10-207-655-202	Sequence 202, Appl
5	717	44.6	277	US-10-155-567-4	Sequence 4, Appl
6	716	44.5	277	US-09-954-697-12	Sequence 12, Appl
7	716	44.5	277	US-09-851-873-98	Sequence 98, Appl
8	716	44.5	277	US-10-280-670-5	Sequence 5, Appl
9	716	44.5	277	US-10-368-438-30	Sequence 30, Appl
10	714.5	44.4	264	US-10-103-448-3	Sequence 3, Appl
11	714.5	44.4	264	US-10-108-929-3	Sequence 3, Appl
12	474	29.5	293	US-09-954-697-21	Sequence 21, Appl
13	466	29.0	293	US-09-851-873-99	Sequence 99, Appl
14	466	29.0	293	US-10-280-670-6	Sequence 6, Appl
15	466	29.0	293	US-10-368-438-31	Sequence 31, Appl

16	466	29.0	293	US-10-171-077-5	Sequence 5, Appl
17	426.5	26.5	286	US-09-862-915-1	Sequence 1, Appl
18	386	24.6	204	US-10-171-077-7	Sequence 7, Appl
19	389	24.2	204	US-09-954-697-34	Sequence 34, Appl
20	387	24.1	285	US-09-954-697-35	Sequence 35, Appl
21	384	23.9	147	US-10-214-932-110	Sequence 110, Appl
22	357	22.2	266	US-10-368-438-20	Sequence 20, Appl
23	336	20.9	102	US-10-214-932-112	Sequence 112, Appl
24	335	20.7	182	US-09-809-905-2	Sequence 2, Appl
25	321.5	20.0	177	US-09-864-761-47950	Sequence 47950, A
26	300	18.6	163	US-09-864-761-47950	Sequence 47950, A
27	264	16.4	52	US-09-989-903-40	Sequence 40, Appl
28	264	16.4	52	US-10-068-564-40	Sequence 40, Appl
29	263	16.3	300	US-09-954-697-36	Sequence 36, Appl
30	259	16.1	81	US-09-989-903-35	Sequence 35, Appl
31	259	16.1	81	US-10-068-564-35	Sequence 35, Appl
32	256	15.9	242	US-09-764-803A-24	Sequence 24, Appl
33	256	15.9	242	US-09-845-028-9	Sequence 9, Appl
34	253	15.7	242	US-09-845-028-2	Sequence 2, Appl
35	253	15.7	242	US-09-851-873-105	Sequence 105, Appl
36	251.5	15.6	257	US-09-764-803A-2	Sequence 2, Appl
37	251.5	15.6	260	US-09-989-903-2	Sequence 2, Appl
38	251.5	15.6	260	US-10-068-564-2	Sequence 2, Appl
39	250	15.5	229	US-09-764-803A-4	Sequence 4, Appl
40	250	15.5	242	US-09-989-903-5	Sequence 5, Appl
41	250	15.5	242	US-10-068-564-5	Sequence 5, Appl
42	245	15.2	51	US-09-989-903-41	Sequence 41, Appl
43	245	15.2	51	US-10-068-564-41	Sequence 41, Appl
44	210	13.1	47	US-09-989-903-36	Sequence 36, Appl
45	210	13.1	15	US-10-068-564-36	Sequence 36, Appl

ALIGNMENTS

US-10-198-070-28	RESULT 1
Sequence 28, Application US/10198070	
Publication No. US20030109437A1	
GENERAL INFORMATION:	
APPLICANT: AVERBACK, PAUL	
INVENTOR: GEMMELL, JACK	
TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER	
CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF	
TITLE OF INVENTION: CELLS	
FILE REFERENCE: 5903.000008	
CURRENT APPLICATION NUMBER: US/10/198,070	
PRIOR FILING DATE: 2002-07-19	
PRIOR APPLICATION NUMBER: 60/306,161	
PRIOR FILING DATE: 2001-07-19	
PRIOR APPLICATION NUMBER: 60/306,150	
PRIOR FILING DATE: 2001-07-19	
PRIOR APPLICATION NUMBER: 60/331,477	
PRIOR FILING DATE: 2001-11-16	
NUMBER OF SEQ ID NOS: 125	
SOFTWARE: PatentIn Ver. 2.1	
SEQ ID NO 28	
LENGTH: 253	
TYPE: PRT	
ORGANISM: Homo sapiens	
US-10-198-070-28	
Query Match	48.4%; Score 778.5; DB 15; Length 253;
Best Local Similarity	63.1%; Pred. No. 1.7e-73;
Matches	169; Conservative 7; Mismatches 39; Indels 53; Gaps 6;
DB	
1	ADDQCIIEQGVSDSANDSDVAKPSSFPVSLFSKXKVMTKRSIXTKTRDRVPTQYN 60
2	ADDQCIIEQGVSDSANDSDVAKPSSFPVSLFSKXKVMTKRSIXTKTRDRVPTQYN 61
QY	61 MNFELTKCIIINNKNFDPKVTGMGVNGTGDADALFKCRSLGFDVIYVNDSCAKMO 120
DB	62 MNFELTKCIIINNKNFDPKVTGMGVNGTGDADALFKCRSLGFDVIYVNDSCAKMO 121

QY 121 LKKAASEDHNAACFACILSHGSEENVYVKGQVTPFKDLTAHFRDRCXT----- 172
 DB 122 LKKAASEDHNAACFACILSHGSEENVYVKGQVTPFKDLTAHFRDRCXT----- 172
 QY 173 -----LLEKPKLEFI-OACRGTELDADIAQAD-----SGPINDIDANFRYK 211
 DB 163 DLGRLQPPPPRLAEGPSLMAASRPTGRSGMTQMLILDRSQMKLTSSSFIIPFPALIRGG 222
 QY 212 IPVADFLFAYSTVPGYYSRSPGSGW 239
 DB 223 AQEAPGL-----CKPSAPSRSTK-TW 245

RESULT 2

US-09-895-263-4
 Sequence 4, Application US/09895263
 Patent No. US20020076793A1
 GENERAL INFORMATION:
 APPLICANT: He, Wei-Mu et al.
 TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESSES:
 ADDRESSEE: Human Genome Sciences, Inc.
 STREET: 9410 Key West Ave.
 CITY: Rockville
 STATE: MD
 COUNTRY: USA
 ZIP: 20850
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/895,263
 FILING DATE: 02-Jul-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: <Unknown>
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Jonathan L. Klein
 REGISTRATION NUMBER: 41,119
 REFERENCE/DOCKET NUMBER: PFI40
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 301-251-6015
 TELEFAX: 301-309-8439
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 277 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 4:
 US-09-895-263-4

Query Match 44.7%, Score 719, DB 9, Length 277,
 Best Local Similarity 50.9%, Pred. No. 3,6e-67,
 Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;
 QY 18 EDSVDAKPDSSSFVSLFSKKKQVNTMSITKTRDRAVPTQYNNAFKLGCIITNNKF 77
 DB 5 ENSVDKSKIK-NLEKIHGSEMSDGLSDNS-----YKNDYPMGICITINNKF 55
 QY 78 DKTGMGVANGTDKDAEALFKCFRSLGFDVIVYNDSCAKKQDLKKAASEDHNAACFA 137
 DB 56 HKSTGMTSRSGTDVAANLREFRNLKYEVRNKNDLTREELVEIMLRDVSKEHDSKSSFV 115
 QY 138 CILSHGSEENVYVKGQVTPFKDLTAHFRDRCXTLLEKPKLEFIQACRGTELDADIAQAD 197

DB 116 CVLSHGSEGIIFGTNGPVDLTKITNFRDRCRSLTGKPKLFIQACRGTELDGCIETD 175
 QY 198 GGPINDIDANFRYKIPVADFLFAYSTVPGYYSRSPGSGWFFQALCSILEHKKOLEI 257
 DB 176 SGVDDDMAC--HKIPVADFLFAYSTVPGYYSRSPGSGWFFQALCSILEHKKOLEI 232
 QY 256 MQLTRVNDVARHFEESQSDPHFEKKQICVYVSMILTKELYF 300
 DB 233 MQLTRVNRKVAATEREFSFDPATFHAKQICVYVSMILTKELYF 275

RESULT 3

US-10-214-932-108
 Sequence 108, Application US/10214932
 Publication No. US20030100707A1
 GENERAL INFORMATION:
 APPLICANT: HWANG, Inhan
 APPLICANT: KIM, Dae Heon
 APPLICANT: LEE, Yong Jik
 TITLE OF INVENTION: SYSTEM FOR DETECTING PROTEASE
 FILE REFERENCE: APO02/US
 CURRENT APPLICATION NUMBER: US/10/214,932
 CURRENT FILING DATE: 2002-08-08
 NUMBER OF SEQ ID NOS: 133
 SOFTWARE: Patentin version 3.1
 SEQ ID NO 108
 LENGTH: 277
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-214-932-108

Query Match 44.7%, Score 719, DB 15, Length 277,
 Best Local Similarity 50.9%, Pred. No. 3,6e-67,
 Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;
 QY 18 EDSVDAKPDSSSFVSLFSKKKQVNTMSITKTRDRAVPTQYNNAFKLGCIITNNKF 77
 DB 5 ENSVDKSKIK-NLEKIHGSEMSDGLSDNS-----YKNDYPMGICITINNKF 55
 QY 78 DKTGMGVANGTDKDAEALFKCFRSLGFDVIVYNDSCAKKQDLKKAASEDHNAACFA 137
 DB 56 HKSTGMTSRSGTDVAANLREFRNLKYEVRNKNDLTREELVEIMLRDVSKEHDSKSSFV 115
 QY 138 CILSHGSEENVYVKGQVTPFKDLTAHFRDRCXTLLEKPKLEFIQACRGTELDADIAQAD 197
 DB 116 CVLSHGSEGIIFGTNGPVDLTKITNFRDRCRSLTGKPKLFIQACRGTELDGCIETD 175
 QY 198 GGPINDIDANFRYKIPVADFLFAYSTVPGYYSRSPGSGWFFQALCSILEHKKOLEI 257
 DB 176 SGVDDDMAC--HKIPVADFLFAYSTVPGYYSRSPGSGWFFQALCSILEHKKOLEI 232
 QY 256 MQLTRVNDVARHFEESQSDPHFEKKQICVYVSMILTKELYF 300
 DB 233 MQLTRVNRKVAATEREFSFDPATFHAKQICVYVSMILTKELYF 275

RESULT 4

US-10-207-655-202
 Sequence 202, Application US/10207655
 Publication No. US20030118592A1
 GENERAL INFORMATION:
 APPLICANT: Ledbetter, Jeffrey A.
 APPLICANT: Hayden-Ledbetter, Martha S.
 TITLE OF INVENTION: BINDING DOMAIN-IMMUNOGLOBULIN FUSION PROTEINS
 FILE REFERENCE: 390069, 401C1
 CURRENT APPLICATION NUMBER: US/10/207,655
 CURRENT FILING DATE: 2002-07-25
 NUMBER OF SEQ ID NOS: 426
 SOFTWARE: Patentin version 3.0
 SEQ ID NO 202
 LENGTH: 277
 TYPE: PRT
 ORGANISM: Homo sapiens

US-10-207-655-202

Query Match	44.7%;	Score 719;	DB 15;	Length 277;
Best Local Similarity	50.9%;	Pred. No. 3.6e-67;		
Matches 144;	Conservative 49;	Mismatches 78;	Indels 12;	Gaps 3.

Dy 18 EDSDVADKPDRRSFVPSPLEFSKKKNVTMSIKITRPRVPTQYNNMNEKLGCIIINNKNF 77
|:|:|: : : : |::: |||||
Db 5 ENSVDKSIR-NLEPKIHGSESDSGISLDNS-----YKMDPEMGCIINNNKF 55

QY 78 DKVTGMVNRKSTDKAEALFKCFRSLGFDVIYYNDCGCAKMDDLKKASEEDHTNAACFA 137
| | | | | : | | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Db 56 HKSTGMTSRSGTDVDANLRPRTRFNRLKYEVARNKDITREIETELMRDVSKEPDHSSKRSFV 115

Dy 138 CILSHGEENVITYGKDVTPFKDLTAFHFRSGDKLTLEKPKLFIOACRGTEDDAIOAD 197
| : | | | | : : : : | : | | | | : | : |
Db 116 CVLLSHGEEGIIFGTNGPVDLKKITNFFRGRDCRSLTGPKPLFIQACRGTEHDDCGIETD 175

[illegible]

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QY 258 MQLTRVNDVRARHFEESQSDDPHFHEKKQIPCVSMLTKEYF 300
DB 233 MHILTRVNRKVATEFESEFSFDATFHAKKQIPCIIVSMLTKEYF 275

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RESULT 5
US-10-155-567-4

Publication No. US20030219421A1
GENERAL INFORMATION:
APPLICANT: CHRISTAKOS, Sylvia
TITLE OF INVENTION: CALBINDIN-D 28K PROTECTION AGAINST GLUCOCORTICOID INDUCED CELL DEATH

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1 FILE REFERENCE: 267/266
2
3 CURRENT APPLICATION NUMBER: US/10/155,567
4
5 CURRENT FILING DATE: 2002-05-23
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7 NUMBER OF SEQ ID NOS: 4
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; COL INNOV: lacconema
; SEQ ID NO: 4
; LENGTH: 277
; TYPE: prt
; ORGANISM: homosapiens
US-10-155-567-4

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Query Match	44.6%	Score 717;	DB 12;	Length 277;
Best Local Similarity	50.9%;	Pred. No. 5.8e-67;		
Matches 146;	Conservative 47;	Mismatches 74;	Indels 20;	Gaps 4

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Qy      18 EDSDVDAKPRDRSSFPVPSLFSKKKKVNTMRSL-KITLDRVPYTC--YNNNFEKLGKCIILN 73
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Db      5 ENSVD-----SKSIKINLEPKIIHGSESDMSGMSDGTGYKNDYPEMGLCIILN 5

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Qy 74 NKNFDKVTGMVGRNGTDKDAEALFKCFRSLGFPVIVYNDSCSKAMODLLKKASBEDHTVA 133
    ||||| : ||| : ||| : : : : ||| :
Db 52 NKNFHKSTGTMTRSSTVDVAANLRETFENLKYAEVRNKKDILTREIIVELMRDVSXKEDHSKR 111
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Cy      134 ACFACILLSHGSEENVIGKDGVTPIKDUTAHFRGRDCKTLLEAKPLFFIQAAGSTELDDA 197
          :|:||||::||::||:|||||||::|:|||||
Db      112 SSFVCCVLISHGEGLIFGTNGPVDLKITNFPFGDRCSRSLTGPKFLIIQAGRGETLDCG 170
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Qy      194 IQADSGINDTANPRYKIPVEADFLLFYSTVGYYSNRSPGSGSWFVALCSLLEEHOK 250
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Db      172 IETDSGVDDMAC--HKIPVDAFLYASTAGGYSNRNKSOGSWMFIQSCLCAMLKOYAD 226
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QY      254 DLEIMQILTRVNDRVARHSESQSDDPHFHEKKQIPCVWSMTKELYF 300
      | | | | | : | | | | | : | | | | | : | | | | |
Db      229 KLEFMHILTRVNRKVATEESESFSFDATFAKKQIPCIIVSMITKELYF 275

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RESULT 6
US-09-954-697-12
; Sequence 12, Application US/09954697

Patent No. US20020106631A1
CURRENT INFORMATION.

APPLICANT: Alnemri, Emad S.
TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
TITLE OF INVENTION: THEREOF
PUB. NO.: 480140 A31D3
PUB. DATE: 1992/08/27

```

CURRENT APPLICATION NUMBER: US/09/954,697
CURRENT FILING DATE: 2001-09-14
NUMBER OF SEQ ID NOS: 116
SOFTWARE: FastSeq for Windows Version 3.0

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SEQ ID NO 12
LENGTH: 277
TYPE: PRT
ORIGIN: Homo sapien
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Query Match 44.5%; Score 716; DB 10; Length 277
Best local similarity 50.5%; pred No. 7 4e-67;
S-09-954-697-12

Matches 143; Conservative 50; Mismatches 78; Indels 12; Gaps 37

5 ENSVDYSKSIK-NLEPKRIHGSSEMDSGISLEDSN-----YMDPIEMGDLIIINNNKF 55

138 CILLSGEEENVYIGKDVTP¹IKDLTAHFRGDRCKTLLKPKLFIQA²CRGTETLDAIQA³D 197

116 CULSHSGEGGIPTONTNPVDLKKTITFFGDRCRSLTGKPKLIIQARGTELDGCIETD 178
198 SGSPINDTDANPRKIPVEADFLFAYSTVEGYWSRSPGSMFVQALCSILEHQKLEI 257

1/6 SGVDDDDMAC--HAIPLVDALFLAISIAFG:ISMKHSISGDSWF:ISLSLCAUNQY:IAIDNDR 250

258 MOILTRVNDRIARHFFESQSDPHFHEKKQIPCVSMLTRKELVF 300

275 WHITTRVPRKATFEESFSDATFPAKKQIPCVSMLTRKELVF 275

RESULT 7
S-09-851-873-98
Sequence 98, Application US/09851873
Publication No. H00000165A98A1

GENERAL INFORMATION:
 APPLICANT: Kietzien, Rolf F
 APPLICANT: Reardon, Ilene M
 ADDRESSEE: Weiland, Katherine I

TITLE OF INVENTION: HUMAN CASPASE-12 MATERIALS AND METHODS
FILE REFERENCE: 28341/00233
CURRENT APPLICATION NUMBER: US/09/851, 873
CURRENT FILING DATE: 2001-05-08

NUMBER OF SEQ ID NOS: 105
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 98
LENGTH: 377

TYPE: PRT
ORGANISM: Homo sapiens
J5-09-851-873-98

Query Match	44.5%;	Score /16;	DB 12;	Length 21
Best Local Similarity	50.5%;	Pred. No. 7.4e-67;		
Matches 143;	Conservative	50;	Mismatches	78;
				Indels

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18 EDSVDARDEPRSEVFSPFSKQKRNVIKRSINIRDRVFIQVINNFEDSCILLINNAF
  ||||| : : : : : |||||
5 ENSVDSKIK-NLEPKIIHGSEMSDGLDNS-----YNDYDPENGLCIIINNAF 25

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56 HKSTGMSRSGTDVDAANLRETFRNLYEVRNKNDLTREETVELMRDYSKEDHSKRSSFV 115

Page 4

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
AND OTHER PROTEINS
NUMBER OF SEQUENCES: 34

233 MILTRVNRKVATEFESFDATEHAKQIPCI

RESULT 10

FILE REFERENCE: 28341/00233
CURRENT APPLICATION NUMBER: US/09/851,873
CURRENT FILING DATE: 2001-05-08
NUMBER OF SEQ ID NOS: 105
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 98
LENGTH: 293
TYPE: PRT
ORGANISM: Homo sapiens
US-09-851-873-99

Query Match
Best Local Similarity 37.9%; Score 466; DB 12; Length 293;
Pred. No. 1.8e-40;
Matches 97; Conservative 42; Mismatches 107; Indels 10; Gaps 1;

QY 55 PTQYNNNFELKQKCIINNKNEDKVTGKAVRNGTDDKDAEALFKCFRSLGFDVIVYNDGS 114
DB 33 PAEKYMDHRRRGIALIFNHERFHWLTPERRRTCADRDNLTRSDLGFEVYKCFNDLK 92
QY 115 CAGMDDLKKAASEDTNACFACILSHGSENVYIGKGVTPIKDLNHFGRDCKTL 174
DB 93 AEBLLKIHSEVSVSHADACFCVCFLSHGEGNHAYDAKIEIQTLTGLFPGDKCHSLV 152
QY 175 EKPKLFPIQACRGTE-----LDDAIQADSGPINDTDANPRKIPVEADFLPAYST 224
DB 153 GKPKFIILQACRGNDHVDVIVPLDVNDQTEKLDNTITEVDASVYTLIPAGADFLMCYSV 212
QY 225 VEGYYSWRSPGRGFWVQALCSLIEHGKDEIMQILTRVNDRAVAFESQSDDPFHFK 284
DB 213 AEGYSHRETVNGSWYIQLCEMLGKXGSSLEFTELLTVNRKVSQRRVDFCKDPSAIGK 272
QY 285 KOIPCVSMLTKEYL 300
DB 273 KOVPCFASMLTKLHF 288

RESULT 14

US-10-280-670-6
Sequence 6, Application US/10280670
Publication No. US20030170812A1
GENERAL INFORMATION:
APPLICANT: JUAN, SHAO-CHIEH
APPLICANT: FLETCHER, FREDERICK A.
TITLE OF INVENTION: INTERLEUKIN 1-BETA CONVERTING ENZYME LIKE CYSTEINE
TITLE OF INVENTION: PROTEASE
FILE REFERENCE: 06843-0019-01000
CURRENT APPLICATION NUMBER: US/10/280,670
CURRENT FILING DATE: 2002-10-24
PRIOR APPLICATION NUMBER: 08/724,378
PRIOR FILING DATE: 1996-10-01
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 6
LENGTH: 293
TYPE: PRT
ORGANISM: Homo sapiens
US-10-280-670-6

Query Match
Best Local Similarity 37.9%; Score 466; DB 12; Length 293;
Pred. No. 1.8e-40;
Matches 97; Conservative 42; Mismatches 107; Indels 10; Gaps 1;

QY 55 PTQYNNNFELKQKCIINNKNEDKVTGKAVRNGTDDKDAEALFKCFRSLGFDVIVYNDGS 114
DB 33 PAEKYMDHRRRGIALIFNHERFHWLTPERRRTCADRDNLTRSDLGFEVYKCFNDLK 92
QY 115 CAGMDDLKKAASEDTNACFACILSHGSENVYIGKGVTPIKDLNHFGRDCKTL 174
DB 93 AEBLLKIHSEVSVSHADACFCVCFLSHGEGNHAYDAKIEIQTLTGLFPGDKCHSLV 152
QY 175 EKPKLFPIQACRGTE-----LDDAIQADSGPINDTDANPRKIPVEADFLPAYST 224

DB 153 GKPKFIILQACRGNDHVDVIVPLDVNDQTEKLDNTITEVDASVYTLIPAGADFLMCYSV 212
QY 225 VEGYYSWRSPGRGFWVQALCSLIEHGKDEIMQILTRVNDRAVAFESQSDDPFHFK 284
DB 213 AEGYSHRETVNGSWYIQLCEMLGKXGSSLEFTELLTVNRKVSQRRVDFCKDPSAIGK 272
QY 285 KOIPCVSMLTKEYL 300
DB 273 KOVPCFASMLTKLHF 288

RESULT 15

US-10-368-438-31
Sequence 31, Application US/10368438
Publication No. US20030219411A1
GENERAL INFORMATION:

APPLICANT: DAVID WALLACH

Mark P. BOLDIN

Tanya M. GONCHAROV

Yury V. GOLTSSEV

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
AND OTHER PROTEINS

NUMBER OF SEQUENCES: 34

CORRESPONDENCE ADDRESS:

ADDRESSEE: Broadway and Nelmark

STREET: 419 Seventh Street N.W., Ste. 300

CITY: Washington

STATE: D. C.

COUNTRY: USA

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/368,438

FILING DATE: 20-Feb-2003

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/983,502

FILING DATE: 16-Jan-1998

APPLICATION NUMBER: PCT/US96/10521

FILING DATE: 14-JUN-1996

APPLICATION NUMBER: IL 114,615

FILING DATE: 16-JUL-1995

APPLICATION NUMBER: IL 114,986

FILING DATE: 17-AUG-1995

APPLICATION NUMBER: IL 115,319

FILING DATE: 14-SEP-1995

APPLICATION NUMBER: IL 116,588

FILING DATE: 27-DEC-1995

APPLICATION NUMBER: IL 117,932

FILING DATE: 16-APR-1996

ATTORNEY/AGENT INFORMATION:

NAME: Browdy, Roger L.

REGISTRATION NUMBER: 25,618

REFERENCE/DOCKET NUMBER: WALLACH=19

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 628-5197

TELEFAX: (202) 737-3528

INFORMATION FOR SEQ ID NO: 31:

SEQUENCE CHARACTERISTICS:

LENGTH: 293 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 31:

Query Match
Best Local Similarity 37.9%; Score 466; DB 12; Length 293;
Pred. No. 1.8e-40;
Matches 97; Conservative 42; Mismatches 107; Indels 10; Gaps 1;

QY 55 PTYQVNMFEKLGKCIINNNKPNFVKVNGVNGTDKDAEALFKCFRSLGFDVIYVNDGS 114
Db 33 FAEKXKMDHRRRRGIALIFENHERFWMHLTLPERRRTOADRDNLTRRFSDLGFEVXCENDLK 92
QY 115 CAKMODLLKASEEDHTNACFACITLISHGENVIYKDGVTPIKDLTAHFRGDRCKTLL 174
Db 93 AEBLLKKEHVSTVSHADDCFCVFLSHGEGNHTIYADAKIEIOTLTGLFRGDRCHSLV 152
QY 175 EKPXLFFIQACRGTE-----LDDAIQADSGPINDTDANPRYKIPVEADFLFAYST 224
Db 153 GPKXIFIIQACRGNDVPIPLDVVDNQTETLNTITEVDAASYTLPAAGADFLMCYSV 212
QY 225 VPGYYSWRSPGRGSMFOALGSIIEHGXDLIMQILTRVNDRVARHRESQSDDPHFHEK 284
Db 213 AEGYSHRETVNGSVIODLCEMLGKYGSSLEFTELLTVNRKVQRVRVDFCKDPSAIGK 272
QY 285 KOIPCVSMITRELYF 300
Db 273 KOVPCFASMLTKLHF 288

Search completed: December 30, 2003, 06:45:02
Job time : 33 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 29, 2003, 16:37:19, Search time 21 Seconds

(without alignments)
556,086 Million cell updates/sec

Title: US-09-895-263b-4_COPY_2_277

Sequence: 1 ENTENSVDSSIKLEPKII.....AKQIPGVMLTKELYFHH 276

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 42110858 residues

Total number of hits satisfying chosen parameters: 277460

Minimum DB seq length: 0
Maximum DB seq length: 276

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database: Issued Patents AA.*
1: /cgn2_6/prodata/1/1aa/5A.COMB.rep.*
2: /cgn2_6/prodata/1/1aa/5B.COMB.rep.*
3: /cgn2_6/prodata/1/1aa/6A.COMB.rep.*
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6: /cgn2_6/prodata/1/1aa/backfile1.rep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	761	52.2	148	3	US-08-964-308-11
2	761	52.2	148	3	US-08-964-313-11
3	761	52.2	148	4	US-09-069-138-11
4	418.5	28.7	204	1	US-08-446-925-7
5	418.5	28.7	204	2	US-08-146-331-7
6	418.5	28.7	204	2	US-08-886-885-7
7	418.5	28.7	204	4	US-09-375-256-7
8	418.5	28.7	204	4	US-09-376-156-7
9	342.5	23.5	266	4	US-08-983-502-20
10	342.5	23.5	266	4	US-09-516-747-20
11	342.5	23.5	266	5	PCT-US96-10521-20
12	298	20.4	203	3	US-08-852-936C-4
13	298	20.4	203	3	US-09-300-328-4
14	274	18.8	260	4	US-09-187-789-2
15	274	18.8	260	4	US-09-139-600-2
16	273.5	18.8	260	4	US-09-139-600-2
17	250	17.1	51	4	US-09-187-789-5
18	250	17.1	51	4	US-09-139-600-29
19	239	16.4	58	4	US-09-187-789-27
20	239	16.4	58	4	US-09-139-600-22
21	229.5	15.7	214	4	US-09-187-789-5
22	217	14.9	42	4	US-09-187-789-33
23	217	14.9	42	4	US-09-139-600-28
24	205.5	14.0	230	4	US-08-394-1893-22
25	204.5	14.0	230	4	US-09-187-789-7
26	191	13.1	39	4	US-09-187-789-30
27	191	13.1	39	4	US-09-139-600-25

28	190	13.0	47	4	US-09-187-789-28	Sequence 28, Appl
29	190	13.0	47	4	US-09-139-600-23	Sequence 23, Appl
30	182	12.5	263	2	US-08-391-916A-8	Sequence 8, Appl
31	177	12.1	52	4	US-09-187-789-40	Sequence 40, Appl
32	177	12.1	52	4	US-09-139-600-35	Sequence 35, Appl
33	157.5	10.8	131	2	US-08-394-1893-21	Sequence 21, Appl
34	157	10.8	51	4	US-09-187-789-41	Sequence 41, Appl
35	157	10.8	51	4	US-09-139-600-36	Sequence 36, Appl
36	141	9.7	28	4	US-09-187-789-29	Sequence 29, Appl
37	141	9.7	28	4	US-09-139-600-24	Sequence 24, Appl
38	138	9.5	39	4	US-09-187-789-38	Sequence 38, Appl
39	138	9.5	39	4	US-09-139-600-33	Sequence 33, Appl
40	136.5	9.4	187	2	US-08-391-916B-25	Sequence 25, Appl
41	135.5	9.3	171	3	US-08-258-287B-40	Sequence 40, Appl
42	133.5	9.2	41	3	US-09-257-218-11	Sequence 11, Appl
43	133.5	9.2	41	3	US-09-311-760-11	Sequence 11, Appl
44	133.5	9.2	41	4	US-08-865-579-11	Sequence 11, Appl
45	133.5	9.2	41	4	US-10-059-749-11	Sequence 11, Appl

ALIGNMENTS

RESULT 1
US-08-964-308-11
Sequence 11, Application US/08964308
Patent No. 6066715
GENERAL INFORMATION:
APPLICANT: DESMARAIS, SYLVIE
APPLICANT: FRIESEN, RICHARD
APPLICANT: ZAMBONI, ROBERT
TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
TITLE OF INVENTION: BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSER: ROBERT J. NORTH - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/964,308
FILING DATE: 04-NOV-1996
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: NORTH, ROBERT J
REGISTRATION NUMBER: 27,366
REFERENCE/DOCKET NUMBER: 19840 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-7262
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 148 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-964-308-11

Query Match 52.2%, Score 761, DB 3, Length 148;
Best Local Similarity 99.3%; Pred. No. 2.7e-80;
Matches 146, Conservative 0, Mismatches 1, Indels 0, Gaps 0;

QY 28 GGLSDNSYKDDPENGGLTIINKNKHSTGWTSSGTDVDANLRETFRNKYEVRNK 67

Db 2 SGISLDSNYSKMDYPMKGLCIITNNKPFHSTGKTSRSGTDVDAANLRETFRNKLYEVNRK 61
QY 88 NDLTREIYELMDVSKEDHSKRSSFVCLVLSHGEGLIFGTNGPVDLKITNFFRGDRC 147
Db 62 NDLTREIYELMDVSKEDHSKRSSFVCLVLSHGEGLIFGTNGPVDLKITNFFRGDRC 121
QY 148 RSLTGKPKLFIIOASRGTELDGCIETD 174
Db 122 RSLTGKPKLFIIOASRGTELDGCIETD 148

RESULT 2
US-08-964-313-11
; Sequence 11, Application US/08964313
; Patent No. 6114132
; GENERAL INFORMATION:
; APPLICANT: DESMARAIS, SYLVIE
; APPLICANT: FRIESEN, RICHARD
; APPLICANT: GRESSER, MICHAEL
; APPLICANT: KENNEDY, BRIAN
; APPLICANT: NICHOLSON, DONALD
; APPLICANT: RAMACHANDRAN, CHIDAMBARAN
; APPLICANT: SKOREY, KATHRYN
; APPLICANT: FORD-HOTCHINSON, ANTHONY
; TITLE OF INVENTION: PHOSPHATASE BINDING ASSAY
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
; STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
; CITY: RAHWAY
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/964,313
; FILING DATE: 04-NOV-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/030,408
; FILING DATE: 04-NOV-1996
; APPLICATION NUMBER: PCT/CA97/00825
; FILING DATE: 03-NOV-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: DURETTE, PHILIPPE L.
; REGISTRATION NUMBER: 35,125
; REFERENCE/DOCKET NUMBER: 19824Y
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 732-594-4568
; TELEFAX: 732-594-4720
; TELEX:
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 148 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-964-313-11

Query Match 52.2%; Score 761; DB 3; Length 148;
Best Local Similarity 99.3%; Pred. No. 2.7e-80;
Matches 146; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 28 SGISLDSNYSKMDYPMKGLCIITNNKPFHSTGKTSRSGTDVDAANLRETFRNKLYEVNRK 87
Db 2 SGISLDSNYSKMDYPMKGLCIITNNKPFHSTGKTSRSGTDVDAANLRETFRNKLYEVNRK 61
QY 88 NDLTREIYELMDVSKEDHSKRSSFVCLVLSHGEGLIFGTNGPVDLKITNFFRGDRC 147
Db 122 RSLTGKPKLFIIOASRGTELDGCIETD 148

Db 62 NDLTREIYELMDVSKEDHSKRSSFVCLVLSHGEGLIFGTNGPVDLKITNFFRGDRC 121
QY 148 RSLTGKPKLFIIOASRGTELDGCIETD 174
Db 122 RSLTGKPKLFIIOASRGTELDGCIETD 148

RESULT 3
US-09-069-138-11
; Sequence 11, Application US/09069138
; Patent No. 6348572
; GENERAL INFORMATION:
; APPLICANT: DESMARAIS, SYLVIE
; APPLICANT: DURETTE, CLAUDE
; APPLICANT: FRIESEN, RICHARD
; APPLICANT: LEBLANC, YVES
; APPLICANT: ROY, PATRICK
; APPLICANT: YOUNG, ROBERT N.
; APPLICANT: ZAMBONI, ROBERT
; TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
; STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
; CITY: RAHWAY
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Diskette
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/069,138
; FILING DATE: 29-APR-1998
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: DURETTE, PHILIPPE L.
; REGISTRATION NUMBER: 35,125
; REFERENCE/DOCKET NUMBER: 19840Y1A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 732-594-4568
; TELEFAX: 732-594-4720
; TELEX:
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 148 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-069-138-11

Query Match 52.2%; Score 761; DB 4; Length 148;
Best Local Similarity 99.3%; Pred. No. 2.7e-80;
Matches 146; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 28 SGISLDSNYSKMDYPMKGLCIITNNKPFHSTGKTSRSGTDVDAANLRETFRNKLYEVNRK 87
Db 2 SGISLDSNYSKMDYPMKGLCIITNNKPFHSTGKTSRSGTDVDAANLRETFRNKLYEVNRK 61
QY 88 NDLTREIYELMDVSKEDHSKRSSFVCLVLSHGEGLIFGTNGPVDLKITNFFRGDRC 147
Db 62 NDLTREIYELMDVSKEDHSKRSSFVCLVLSHGEGLIFGTNGPVDLKITNFFRGDRC 121
QY 148 RSLTGKPKLFIIOASRGTELDGCIETD 174
Db 122 RSLTGKPKLFIIOASRGTELDGCIETD 148

RESULT 4
US-08-446-925-7
Sequence 7, Application US/08446925
Patent No. 5672500
GENERAL INFORMATION:
APPLICANT: Litwack, Gerald
APPLICANT: Alnemri, Emed S.
TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE
TITLE OF INVENTION: AND COMPOSITIONS FOR MAKING AND
TITLE OF INVENTION: METHODS
TITLE OF INVENTION: OF USING THE SAME
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/446,925
FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-1508
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 204 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-446-925-7

Query Match 28.7%, Score 418.5, DB 1, Length 204;
Best Local Similarity 43.9%, Pred. No. 2.6e-40;
Matches 82; Conservative 29; Mismatches 63; Indels 13; Gaps 1;

QY 102 VSKEDHSKRSSFVCLVLSHGEGLIFGNGSVLDKLTNFERGDRCSLTGKPLFIQA 161
DB 14 VSTVSHADADCFVCLVLSHGEGLIFGNGSVLDKLTNFERGDRCSLTGKPLFIQA 73
QY 162 CRGTFLDGLI-----ETDSGVDDMACHKIPEVADFLVYSTAPGYSWRNS 208
DB 74 CRGQHDVPIPLDVNDQTEKLDITNEVDAAVYTLPGADFLMGSVAEGYSHRET 133
QY 209 KDGSWFIQSLCAMLKQVADKLEFPHILTRVNRKATFESFSPATFAKQIPICTVSM 268
DB 134 VNGSWIYDIDLEMLGKIGSSLEFTELLTVNRKVSORRVDFCPDPSAIGKQVPCFASML 193
QY 269 TKELIFY 275
DB 194 TKKLHFF 200

RESULT 5
US-09-146-331-7
Sequence 7, Application US/09146331
Patent No. 5958720
GENERAL INFORMATION:
APPLICANT: Litwack, Gerald

APPLICANT: Alnemri, Emed S.
APPLICANT: Fernandez-Alnemri, Teresa
TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE
TITLE OF INVENTION: PROTEASE, AND COMPOSITIONS FOR MAKING AND
TITLE OF INVENTION: METHODS OF USING THE SAME
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/146,331
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/896,885
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-1508
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 204 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-146-331-7

Query Match 28.7%, Score 418.5, DB 2, Length 204;
Best Local Similarity 43.9%, Pred. No. 2.6e-40;
Matches 82; Conservative 29; Mismatches 63; Indels 13; Gaps 1;

QY 102 VSKEDHSKRSSFVCLVLSHGEGLIFGNGSVLDKLTNFERGDRCSLTGKPLFIQA 161
DB 14 VSTVSHADADCFVCLVLSHGEGLIFGNGSVLDKLTNFERGDRCSLTGKPLFIQA 73
QY 162 CRGTFLDGLI-----ETDSGVDDMACHKIPEVADFLVYSTAPGYSWRNS 208
DB 74 CRGQHDVPIPLDVNDQTEKLDITNEVDAAVYTLPGADFLMGSVAEGYSHRET 133
QY 209 KDGSWFIQSLCAMLKQVADKLEFPHILTRVNRKATFESFSPATFAKQIPICTVSM 268
DB 134 VNGSWIYDIDLEMLGKIGSSLEFTELLTVNRKVSORRVDFCPDPSAIGKQVPCFASML 193
QY 269 TKELIFY 275
DB 194 TKKLHFF 200

RESULT 6
US-08-896-885-7
Sequence 7, Application US/08896885
Patent No. 5985640
GENERAL INFORMATION:
APPLICANT: Litwack, Gerald
APPLICANT: Alnemri, Emed S.
TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE
TITLE OF INVENTION: PROTEASE, AND COMPOSITIONS FOR MAKING AND
TITLE OF INVENTION: METHODS OF USING THE SAME

NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESSES:
 ADDRESS: Woodcock, Washburn, Kurtz, Mackiewicz &
 ADDRESSEE: No. 598564015
 STREET: One Liberty Place, 46th floor
 CITY: Philadelphia
 STATE: PA
 COUNTRY: USA
 ZIP: 19103
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Wordperfect 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/896,885
 FILING DATE: 18-JUL-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/446,925
 FILING DATE: 18-MAY-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Deluca, Mark
 REGISTRATION NUMBER: 33,229
 REFERENCE/DOCKET NUMBER: TJU-1508
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (215) 568-3100
 TELEFAX: (215) 568-3439
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 204 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-896-885-7

Query Match 28.7%; Score 418.5; DB 2; Length 204;
 Best Local Similarity 43.9%; Pred. No. 2.6e-40;
 Matches 82; Conservative 29; Mismatches 63; Indels 13; Gaps 1;
 QY 102 VSKEDHSKRSSFVCLLSHGEGILFTNGVPVDLKKITNFRGDRCSLTGKPLFIIOA 161
 DB 14 VSTVSHADADCFVCFILSHGEGNHIYAYDAKIEIQTLLGLFKGKXCHSLVCKPIFIIOA 73
 QY 162 CRGTLDLDCGI-----ETDSGVDDDMACHKIPVADPLVAYSTAPGYYSWNS 208
 DB 74 CRGNQHDVPIPLDVVDNQTLEKLDITNITEVDAASYTLIPAGADFLMCYVAEGYSSHRET 133
 QY 209 KDGSWFIQSLCAMELKQYADKLEFMHILTRVNRKYATEFESFSPATFPAKQIPIVSM 268
 DB 134 VNGSWYIDDLCEMLGKYGSSLEFTELLTLVNRKYSQRVDFCKDPSAIGKKQVCFPSML 193
 QY 269 TKELVYF 275
 DB 194 TKKLHF 200

RESULT 7
 US-09-375-256-7
 Sequence 7, Application US/09375256
 Patent No. 6359127
 GENERAL INFORMATION:
 APPLICANT: Litwack, Gerald
 Alnemri, Emed S.
 Fernandez-Alnemri, Teresa
 TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE
 PROTEASE
 AND COMPOSITIONS FOR MAKING AND
 METHODS
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESSES:
 ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &
 No. 598564015
 CITY: Philadelphia

STREET: One Liberty Place, 46th floor
 CITY: Philadelphia
 STATE: PA
 COUNTRY: USA
 ZIP: 19103
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Wordperfect 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/375,256
 FILING DATE: 16-AUG-1999
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/446,925
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Deluca, Mark
 REGISTRATION NUMBER: 33,229
 REFERENCE/DOCKET NUMBER: TJU-1508
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (215) 568-3100
 TELEFAX: (215) 568-3439
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 204 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 7:
 US-09-375-256-7

Query Match 28.7%; Score 418.5; DB 4; Length 204;
 Best Local Similarity 43.9%; Pred. No. 2.6e-40;
 Matches 82; Conservative 29; Mismatches 63; Indels 13; Gaps 1;
 QY 102 VSKEDHSKRSSFVCLLSHGEGILFTNGVPVDLKKITNFRGDRCSLTGKPLFIIOA 161
 DB 14 VSTVSHADADCFVCFILSHGEGNHIYAYDAKIEIQTLLGLFKGKXCHSLVCKPIFIIOA 73
 QY 162 CRGTLDLDCGI-----ETDSGVDDDMACHKIPVADPLVAYSTAPGYYSWNS 208
 DB 74 CRGNQHDVPIPLDVVDNQTLEKLDITNITEVDAASYTLIPAGADFLMCYVAEGYSSHRET 133
 QY 209 KDGSWFIQSLCAMELKQYADKLEFMHILTRVNRKYATEFESFSPATFPAKQIPIVSM 268
 DB 134 VNGSWYIDDLCEMLGKYGSSLEFTELLTLVNRKYSQRVDFCKDPSAIGKKQVCFPSML 193
 QY 269 TKELVYF 275
 DB 194 TKKLHF 200

RESULT 8
 US-09-376-156-7
 Sequence 7, Application US/09376156
 Patent No. 6407215
 GENERAL INFORMATION:
 APPLICANT: Litwack, Gerald
 Alnemri, Emed S.
 Fernandez-Alnemri, Teresa
 TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE
 PROTEASE
 AND COMPOSITIONS FOR MAKING AND
 METHODS
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESSES:
 ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &
 No. 6407215
 STREET: One Liberty Place, 46th floor
 CITY: Philadelphia

STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/376,156
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/446,925
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: T0U-1508
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 204 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-376-156-7

Query Match 28.7%; Score 418.5; DB 4; Length 204;
Best Local Similarity 43.9%; Pred. No. 2.6e-40;
Matches 82; Conservative 28; Mismatches 63; Indels 13; Gaps 1;

QY 102 VSXEDHSKSSFFVCVLLSHGEGIIFGTNGPVDLKITNFRSGDRSLTGKPKLFIIOA 161
DB 14 VSTVSHADADCFVCFHSHGHNHIVYDAKIEIQTLTGFKGDCHSLVGKPKIILIA 73
QY 162 CRGTELDGCI-----ETDSGVDDMACHKIPVEADFLVAYSTAPYYSWRNS 208
DB 74 CRGNQHDVPIPLDVVDNTEKLDITITEVDASVYTLPAAGAFIMCYSAEGYSHRET 133
QY 209 KDSWFIQSLICAMLKQYADKLEFMHILTRVNRKATEFESFSDATFHAKKOIPCTVSM 268
DB 134 VNSGWYIQLDCENLKGKXGSLTEFTLELLTVNRKVSQRVDFCDPBAIGKQVPCFASML 193
QY 269 TKELTFY 275
DB 194 TKLHFF 200

RESULT 9
US-08-983-502-20
Sequence 20, Application US/08983502
Patent No. 6398327
GENERAL INFORMATION:
APPLICANT: David WALLACH
APPLICANT: Mark P. BOLDIN
APPLICANT: Tanya M. GONCHAROV
APPLICANT: Yury V. GOLTSEV
TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Broadway and Neimark
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/983,502
FILING DATE: 16-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10521
FILING DATE: 14-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Broadway, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH=19
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 266 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-983-502-20

Query Match 23.5%; Score 342.5; DB 4; Length 266;
Best Local Similarity 38.0%; Pred. No. 2.7e-31;
Matches 81; Conservative 42; Mismatches 73; Indels 17; Gaps 6;

QY 73 LRETFRLKTVNRKNDLTREELVELMRDVSKEGHSRSSFVLLSHGEGIIFGTNG 131
DB 57 LTFTEELHEIKPHDCTVEQIYEIKIYQMDHSMDCFIICILSHGKGIYGDQ 116
QY 132 FVDLKITNFRSGDRSLTGKPKLFIIOACRGTELDGCI--ETDSG---VDDMACHK 185
DB 117 EAPIVELTSQFTGLKCPSLAGKPKRVFIIOACQGDNYQKGLPVTDSSEQPYLEMDLSSFO 176
QY 186 ---LPVADFLVAYSTAPGYYSWRNSKDSWFIQSLICAMLKQYADK-LEFMHILTRVNRK 241
DB 177 TRYIPDEADFLIMATVNNCVSYRNPAGETWYIQLDCQSLREKCPRGDILITLTVNRYE 236
QY 242 VATEFESFSDATFHAKKOIPCTVSMITELTF 274
DB 237 VSNK-----DQKXMGKQMPPTTLRKXV 263

RESULT 10
US-09-516-747-20
Sequence 20, Application US/09516747
Patent No. 6585571
GENERAL INFORMATION:
APPLICANT: David WALLACH
APPLICANT: Mark P. BOLDIN
APPLICANT: Tanya M. GONCHAROV
APPLICANT: Yury V. GOLTSEV
TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:

ADDRESSEE: Browdy and Neimark
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/516,747
FILING DATE: 01-Mar-2000

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/983,502
FILING DATE: <unknown>
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996

ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH-19
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528

INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 266 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-09-516-747-20

Query Match 23.5%; Score 342.5; DB 4; Length 266;
Best Local Similarity 38.0%; Pred. No. 2,7e-31;
Matches 81; Conservative 42; Mismatches 73; Indels 17; Gaps 6;

Db 73 LRETFRLKYEVRKNDLTREIEVLMRDVSKEDHSKRSSFVGVLLSHGEGIIFGTG-131
57 LTTFFELHFEIKHDCIVQIYEILKIYQLMDHSMDCFCILSHGKGIYGDQ 116
QY 132 PVDLKITNFRGRCSSLTGKPKLFIQACRGTELDG-ETDSC---VDDMACHK 185
Db 117 EAPIYELTSGFTGKCPSLAGKPKVFFIQACQGNVYKGIPEVTDSEQYLMDLSPQ 176
QY 186 ---IPVADFLYAATAPGYYSWNSKDGSMFIQSLCAMUKOYADK-LEFMHILTRYNRK 241
Db 177 TRYIPDEADFLGMATVNNCYSYNNPAEGTWYIQLQSLREKCPREDIDILITLEVNYE 236
QY 242 VATEFESFSPATFHAKKQIPCIYSMTKELVF 274
Db 237 VSNK-----DDKKNMGKQMPQPTFLTRKLVF 263

RESULT 11
PCT-US96-10521-20
Sequence 20, Application PC/TUS9610521
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
TITLE OF INVENTION: AND OTHER PROTEINS
NUMBER OF SEQUENCES: 34

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10521
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 266 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-10521-20

Query Match 23.5%; Score 342.5; DB 5; Length 266;
Best Local Similarity 38.0%; Pred. No. 2,7e-31;
Matches 81; Conservative 42; Mismatches 73; Indels 17; Gaps 6;

Db 73 LRETFRLKYEVRKNDLTREIEVLMRDVSKEDHSKRSSFVGVLLSHGEGIIFGTG-131
57 LTTFFELHFEIKHDCIVQIYEILKIYQLMDHSMDCFCILSHGKGIYGDQ 116
QY 132 PVDLKITNFRGRCSSLTGKPKLFIQACRGTELDG-ETDSC---VDDMACHK 185
Db 117 EAPIYELTSGFTGKCPSLAGKPKVFFIQACQGNVYKGIPEVTDSEQYLMDLSPQ 176
QY 186 ---IPVADFLYAATAPGYYSWNSKDGSMFIQSLCAMUKOYADK-LEFMHILTRYNRK 241
Db 177 TRYIPDEADFLGMATVNNCYSYNNPAEGTWYIQLQSLREKCPREDIDILITLEVNYE 236
QY 242 VATEFESFSPATFHAKKQIPCIYSMTKELVF 274
Db 237 VSNK-----DDKKNMGKQMPQPTFLTRKLVF 263

RESULT 12
US-08-852-936C-4
Patent No. 6010878
Sequence 4, Application US/08852936C
GENERAL INFORMATION:
APPLICANT: DIXIT, VISHVA M.
APPLICANT: HE, WEI-WU
APPLICANT: KIKUY, KRISTINE K.
APPLICANT: RUBEN, STEVEN M.
TITLE OF INVENTION: INTERLEUKIN-1 BETA CONVERTING
TITLE OF INVENTION: ENZYME LIKE APOPTOTIC PROTEASE-6
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Ratner & Prestia
STREET: P.O. Box 980
CITY: Valley Forge
STATE: PA
COUNTRY: USA
ZIP: 19482

```
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/852,936C
FILING DATE: 08-MAY-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/018,961
FILING DATE: 05-JUN-1996
APPLICATION NUMBER: 60/020,344
FILING DATE: 23-MAY-1996
APPLICATION NUMBER: 60/017,949
FILING DATE: 20-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Prestia, Paul F
REGISTRATION NUMBER: 23,031
REFERENCE/DOCKET NUMBER: P50483-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-407-0700
TELEFAX: 610-407-0700
TELEX: 846169
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 203 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-852-936C-4
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Query Match 20.4%; Score 298; DB 3; Length 203;
Best Local Similarity 32.1%; Pred. No. 2.5e-26;
Matches 68; Conservative 36; Mismatches 66; Indels 42; Gaps 4;

QY 95 IVELMRDYSKEDHSKRSSFVCLLSHGE-----GIPTNG-PVDLKITNFFGDR 146
DB 1 MVLALBELARDQHGLDCCVAVILSHGQASHLPFAVYGTDCPVSEKIVIFNGTS 60
QY 147 CRSLTGKPKLFIQA CRGTEDDCGIETDSGVDDM-----A 182
DB 61 CPSLGGKPKLFIQA CGGEQKHGFVASTPEDESFGSNPEPDATPFQGLRTFDQLDA 120
QY 183 CHKIPVEADFLYAVSTAPGYYSWRNSKDGWFIQSLCAMLKQYADKLEFVHILTRVNRKY 242
DB 121 ISSLPTPSDIFVSYSTFPGFVSRDPKSGSWYVETLDDIFEQWHSDDLQSLLRVANAV 180
QY 243 ATEPESFSDATFPAKKOIPCIIVSMLTRKELYF 274
DB 181 SVK-----GIYKQMPGCFNFKRLKLF 202
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RESULT 13
US-09-300-328-4
Sequence 4, Application US/09300328
Patent No. 6294169
GENERAL INFORMATION:
APPLICANT: DIXIT, VISHVA M.
APPLICANT: HE, WEI-WU
APPLICANT: KIKLY, KRISTINE K.
APPLICANT: RUBEN, STEVEN M.
TITLE OF INVENTION: INTERLEUKIN-1 BETA CONVERTING
TITLE OF INVENTION: ENZYME LIKE APOPTOTIC PROTEASE-6
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Ratner & Prestia
STREET: P.O. Box 980
CITY: Valley Forge
STATE: PA
COUNTRY: USA
ZIP: 19482
```

```
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/300,328
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/852,936
FILING DATE: 08-MAY-1997
APPLICATION NUMBER: 60/018,961
FILING DATE: 05-JUN-1996
APPLICATION NUMBER: 60/020,344
FILING DATE: 23-MAY-1996
APPLICATION NUMBER: 60/017,949
FILING DATE: 20-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Prestia, Paul F
REGISTRATION NUMBER: 23,031
REFERENCE/DOCKET NUMBER: P50483-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-407-0700
TELEFAX: 610-407-0700
TELEX: 846169
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 203 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-300-328-4
```

```
Query Match 20.4%; Score 298; DB 3; Length 203;
Best Local Similarity 32.1%; Pred. No. 2.5e-26;
Matches 68; Conservative 36; Mismatches 66; Indels 42; Gaps 4;

QY 95 IVELMRDYSKEDHSKRSSFVCLLSHGE-----GIPTNG-PVDLKITNFFGDR 146
DB 1 MVLALBELARDQHGLDCCVAVILSHGQASHLPFAVYGTDCPVSEKIVIFNGTS 60
QY 147 CRSLTGKPKLFIQA CRGTEDDCGIETDSGVDDM-----A 182
DB 61 CPSLGGKPKLFIQA CGGEQKHGFVASTPEDESFGSNPEPDATPFQGLRTFDQLDA 120
QY 183 CHKIPVEADFLYAVSTAPGYYSWRNSKDGWFIQSLCAMLKQYADKLEFVHILTRVNRKY 242
DB 121 ISSLPTPSDIFVSYSTFPGFVSRDPKSGSWYVETLDDIFEQWHSDDLQSLLRVANAV 180
QY 243 ATEPESFSDATFPAKKOIPCIIVSMLTRKELYF 274
DB 181 SVK-----GIYKQMPGCFNFKRLKLF 202
```

```
RESULT 14
US-09-187-789-2
Sequence 2, Application US/09187789
Patent No. 6340740
GENERAL INFORMATION:
APPLICANT: Alnemri, Emad S.
APPLICANT: Alnemri, Teresa
TITLE OF INVENTION: CASPASE-14, AN APOPTOTIC PROTEASE, NUCLEIC ACID ENCODING
TITLE OF INVENTION: AND METHODS OF USE
FILE REFERENCE: 480140.434C1
CURRENT APPLICATION NUMBER: US/09/187,789
CURRENT FILING DATE: 1998-11-06
NUMBER OF SEQ ID NOS: 78
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 260
TYPE: PRT
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ORGANISM: Mus musculus
US-09-187-789-2

Search completed: December 29, 2003, 16:45:29
Job time: 24 secs

Query Match 18.8%; Score 274; DB 4; Length 260;
Best Local Similarity 31.5%; Pred. No. 2,3e-23;
Matches 86; Conservative 41; Mismatches 104; Indels 42; Gaps 10;

QY 23 SESMDSGISLDNSYMDYEMGLCTIINNKNFHKSTGTSRSGTDVDAANIRETFRNLY 82
DB 6 SEMSDPQLOEERYMAGARLALTLCVTK-----AREGSEVMEALERMFRYLKF 55
QY 83 EVRNKNLDLTR---EIVELMDVSKEDHSKRSFVCLLSHGEGIIFGTNGP-VDLKK 137
DB 56 ESTMKRDPPTAQGFLELDEPQOTINWEEPVSCAFV-VLMAHGBGLIKGEDEKAVRLD 114
QY 138 ITNFRGRCRSLTGKPKLFTIQACRGTELDGIE---TDSGVD---DDMACHK-- 185
DB 115 LFEVLNNKCKALRGKPKVYIIQACRGHRDPGEELRGNEELGDEELGDEVAVLKNP 174
QY 186 --IPEADFLVASTAPGYSWRNSKDSWFIOSLC-AMLKQYADKLEFMAILTRV--NR 240
DB 175 QSIPTYTDLTHIYSTVEGLSYRHDKSGSGFIQTLTDVFIHKKSIIELTEITRLMANT 234
QY 241 KVATFESESEDPATPHAKQIPIVSMULTKELY 273
DB 235 EVMQEGK-----PRKNPEVQSTLRKLY 258

RESULT 15

US-09-139-600-2
; Sequence 2, Application US/09139600
; Patent No. 6432628
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; APPLICANT: Fernandez-Alnemri, Teresa
; TITLE OF INVENTION: CASPASE-14, AN APOPTOTIC PROTEASE, NUCLEIC ACID ENCODING
; TITLE OF INVENTION: AND METHOD OF USE
; FILE REFERENCE: 480140.434
; CURRENT APPLICATION NUMBER: US/09/139,600
; CURRENT FILING DATE: 1998-08-25
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 260
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-139-600-2

Query Match 18.8%; Score 274; DB 4; Length 260;
Best Local Similarity 31.5%; Pred. No. 2,3e-23;
Matches 86; Conservative 41; Mismatches 104; Indels 42; Gaps 10;

QY 23 SESMDSGISLDNSYMDYEMGLCTIINNKNFHKSTGTSRSGTDVDAANIRETFRNLY 82
DB 6 SEMSDPQLOEERYMAGARLALTLCVTK-----AREGSEVMEALERMFRYLKF 55
QY 83 EVRNKNLDLTR---EIVELMDVSKEDHSKRSFVCLLSHGEGIIFGTNGP-VDLKK 137
DB 56 ESTMKRDPPTAQGFLELDEPQOTINWEEPVSCAFV-VLMAHGBGLIKGEDEKAVRLD 114
QY 138 ITNFRGRCRSLTGKPKLFTIQACRGTELDGIE---TDSGVD---DDMACHK-- 185
DB 115 LFEVLNNKCKALRGKPKVYIIQACRGHRDPGEELRGNEELGDEELGDEVAVLKNP 174
QY 186 --IPEADFLVASTAPGYSWRNSKDSWFIOSLC-AMLKQYADKLEFMAILTRV--NR 240
DB 175 QSIPTYTDLTHIYSTVEGLSYRHDKSGSGFIQTLTDVFIHKKSIIELTEITRLMANT 234
QY 241 KVATFESESEDPATPHAKQIPIVSMULTKELY 273
DB 235 EVMQEGK-----PRKNPEVQSTLRKLY 258

GenCore version 5.1.6
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OK protein - protein search, using sw model

Run on: December 29, 2003, 16:40:59 ; Search time 32 Seconds

(without alignments)
1716.526 Million cell updates/sec

Title: US-09-895-263b-4_COPY_2_277

Perfect score: 1458

Sequence: 1 ENTENSVDKSKIKLPEKIL.....AKKQIPCLVSMTEKLYFYH 276

Scoring table: BLOSUM62

Searched: 724715 seqs, 199017464 residues

Total number of hits satisfying chosen parameters: 437766

Minimum DB seq length: 0
Maximum DB seq length: 276

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Published Applications_AA:*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCF_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/PCF_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
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11: /cgn2_6/ptodata/1/pubpaa/US09C_NEW_PUB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
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14: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US10E_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1397	95.8	264	14 US-10-103-448-3	Sequence 3, Appli
2	1397	95.8	264	14 US-10-108-929-3	Sequence 3, Appli
3	828	56.8	182	9 US-09-809-905-2	Sequence 2, Appli
4	771	52.9	147	15 US-10-214-932-110	Sequence 110, App
5	551	37.8	102	15 US-10-214-932-112	Sequence 112, App
6	418.5	28.7	204	15 US-10-171-077-7	Sequence 7, Appli
7	342.5	23.5	266	12 US-10-368-438-20	Sequence 20, Appli
8	316	21.7	167	9 US-09-864-761-48728	Sequence 48728, A
9	274.5	18.8	242	9 US-09-764-803A-24	Sequence 24, Appli
10	274.5	18.8	242	9 US-09-845-028-2	Sequence 2, Appli
11	274.5	18.8	242	9 US-09-845-028-9	Sequence 9, Appli
12	274.5	18.8	242	12 US-09-851-873-105	Sequence 105, App
13	274	18.8	257	9 US-09-764-803A-2	Sequence 2, Appli
14	274	18.8	260	10 US-09-989-903-2	Sequence 2, Appli
15	274	18.8	260	15 US-10-068-564-2	Sequence 2, Appli

16	273.5	18.8	242	10 US-09-989-903-5	Sequence 5, Appli
17	273.5	18.8	242	10 US-10-068-564-5	Sequence 5, Appli
18	271.5	18.6	229	9 US-09-764-803A-4	Sequence 4, Appli
19	250	17.1	51	10 US-09-989-903-34	Sequence 34, Appli
20	250	17.1	51	15 US-10-068-564-34	Sequence 34, Appli
21	240.5	16.5	163	9 US-09-864-761-47950	Sequence 47950, A
22	239	16.4	58	10 US-09-989-903-27	Sequence 27, Appli
23	239	16.4	58	15 US-10-068-564-27	Sequence 27, Appli
24	229.5	15.7	214	10 US-09-989-903-9	Sequence 9, Appli
25	229.5	15.7	214	15 US-10-068-564-9	Sequence 9, Appli
26	227.5	15.6	253	10 US-10-198-070-28	Sequence 28, Appli
27	217	14.9	42	10 US-09-989-903-23	Sequence 23, Appli
28	217	14.9	42	15 US-10-068-564-23	Sequence 23, Appli
29	205.5	14.1	223	10 US-09-888-243-22	Sequence 22, Appli
30	204.5	14.0	230	10 US-09-989-903-7	Sequence 7, Appli
31	204.5	14.0	230	15 US-10-068-564-7	Sequence 7, Appli
32	191	13.1	39	10 US-09-989-903-30	Sequence 30, Appli
33	191	13.1	39	15 US-10-068-564-30	Sequence 30, Appli
34	190	13.0	47	10 US-09-989-903-28	Sequence 28, Appli
35	190	13.0	47	15 US-10-068-564-28	Sequence 28, Appli
36	177	12.1	52	10 US-09-989-903-40	Sequence 40, Appli
37	177	12.1	52	15 US-10-068-564-40	Sequence 40, Appli
38	157.5	10.8	131	10 US-09-888-243-21	Sequence 21, Appli
39	157	10.8	51	10 US-09-989-903-41	Sequence 41, Appli
40	157	10.8	51	15 US-10-068-564-41	Sequence 41, Appli
41	148.5	10.2	266	12 US-10-116-275-172	Sequence 172, App
42	146	10.0	30	14 US-10-103-448-4	Sequence 4, Appli
43	146	10.0	30	14 US-10-108-929-4	Sequence 4, Appli
44	141	9.7	28	10 US-09-989-903-29	Sequence 29, Appli
45	141	9.7	28	15 US-10-068-564-29	Sequence 29, Appli

ALIGNMENTS

RESULT 1
US-10-103-448-3
; Sequence 3, Application US/10103448
; Publication No. US20020155579A1
; GENERAL INFORMATION:
; APPLICANT: Krebs, Joseph F.
; APPLICANT: Sriivasan, Anu
; APPLICANT: Fritz, Lawrence C.
; APPLICANT: Wu, Joseph C.
; TITLE OF INVENTION: MEMBRANE DERIVED CASPASE-3, COMPOSITIONS
; TITLE OF INVENTION: COMPRISING THE SAME AND METHODS OF USE THEREFOR
; FILE REFERENCE: 480140.468D1
; CURRENT APPLICATION NUMBER: US/10/103,448
; CURRENT FILING DATE: 2002-03-20
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatsSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 264
; TYPE: PRT
; ORGANISM: Homo sapien
; US-10-103-448-3

Query Match 95.8%; Score 1397; DB 14; Length 264;
Best Local Similarity 99.6%; Pred. No. 66-137;
Matches 263; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 13 KNEPFIIGSSMSDGLSDNSYKMDYEMGLCIINNNKFNHSTGMTSRSGTDVDAAN 72
DB 1 KNEPFIIGSSMSDGLSDNSYKMDYEMGLCIINNNKFNHSTGMTSRSGTDVDAAN 60
QY 73 LRETFNNKLYEVNKKNDLREBEIVLMPRVSEDSKSSSFYCVLLSNGEELIIGTNGP 132
DB 61 LRETFNNKLYEVNKKNDLREBEIVLMPRVSEDSKSSSFYCVLLSNGEELIIGTNGP 120
QY 133 VDLKXITNFFPGRCRSLTGKPKLFLIQCRGTEHDCGIEGTDGVDMDACIKIPEVADF 192
DB 121 VDLKXITNFFPGRCRSLTGKPKLFLIQCRGTEHDCGIEGTDGVDMDACIKIPEVADF 180

QY 193 LVAYSTAPGYYSWRNSKDSWFIOSLCAMLKQYADKLEFTHILTRVNRKVAATEPESFSD 252
 DB 181 LVAYSTAPGYYSWRNSKDSWFIOSLCAMLKQYADKLEFTHILTRVNRKVAATEPESFSD 240
 QY 253 ATFAKQOIPCIYSMLTKELYFYH 276
 DB 241 ATFAKQOIPCIYSMLTKELYFYH 264

RESULT 2

US-10-108-929-3
 ; Sequence 3, Application US/10108929
 ; Publication No. US20020197702A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Krebs, Joseph F.
 ; APPLICANT: Srivivasan, Anu
 ; APPLICANT: Fritz, Lawrence C.
 ; APPLICANT: Wu, Joseph C.
 ; TITLE OF INVENTION: MEMBRANE DERIVED CASPASE-3, COMPOSITIONS
 ; FILE REFERENCE: 480140, 468D2
 ; CURRENT APPLICATION NUMBER: US/10/108, 929
 ; FILING DATE: 2002-03-26
 ; NUMBER OF SEQ ID NOS: 7
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 3
 ; LENGTH: 264
 ; TYPE: PRT
 ; ORGANISM: Homo sapien
 ; US-10-108-929-3

Query Match 95.8%; Score 1397; DB 14; Length 264;
 Best Local Similarity 99.6%; Pred. No. 6e-137;
 Matches 263; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 13 KMLEPKTIHSGESMSGSIIDNSYKDDYFEMGLCTIINNKQFHKSTGMTSGSDVDVAAN 72
 DB 1 KMLEPKTIHSGESMSGSIIDNSYKDDYFEMGLCTIINNKQFHKSTGMTSGSDVDVAAN 60
 QY 73 LRETFRNLYEVRNKNDLTREIIVELMRDVSKEHDSKSSFFVCVLLSHGEGGIIFGTNGP 132
 DB 61 LRETFRNLYEVRNKNDLTREIIVELMRDVSKEHDSKSSFFVCVLLSHGEGGIIFGTNGP 120
 QY 133 VDLKTIITPFRGDRCRSLTGKPKLFIIOACRGTELDGIEFDSDGVDMDACHKIPVADP 192
 DB 121 VDLKTIITPFRGDRCRSLTGKPKLFIIOACRGTELDGIEFDSDGVDMDACHKIPVADP 180
 QY 193 LVAYSTAPGYYSWRNSKDSWFIOSLCAMLKQYADKLEFTHILTRVNRKVAATEPESFSD 252
 DB 181 LVAYSTAPGYYSWRNSKDSWFIOSLCAMLKQYADKLEFTHILTRVNRKVAATEPESFSD 240
 QY 253 ATFAKQOIPCIYSMLTKELYFYH 276
 DB 241 ATFAKQOIPCIYSMLTKELYFYH 264

RESULT 3

US-09-809-905-2
 ; Sequence 2, Application US/09809905
 ; Patent No. US20020001806A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Huang, Yuanhui
 ; APPLICANT: Sun, Yi
 ; APPLICANT: Wang, Kevin Ka-Wang
 ; TITLE OF INVENTION: CASPASE-3S SPLICING VARIANT
 ; FILE REFERENCE: U.S. Application A0000224
 ; CURRENT APPLICATION NUMBER: US/09/809, 905
 ; FILING DATE: 2001-03-16
 ; PRIOR APPLICATION NUMBER: 60/2004, 468
 ; NUMBER OF SEQ ID NOS: 5
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 2

LENGTH: 162
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-809-905-2

Query Match 56.8%; Score 828; DB 9; Length 162;
 Best Local Similarity 100.0%; Pred. No. 5.8e-78;
 Matches 160; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ENTENSVDKSKINLEPKTIHSGESMSGSIIDNSYKDDYFEMGLCTIINNKQFHKSTGM 60
 DB 2 ENTENSVDKSKINLEPKTIHSGESMSGSIIDNSYKDDYFEMGLCTIINNKQFHKSTGM 61
 QY 61 TSSRGSDVDVAANLRETFRNLYEVRNKNDLTREIIVELMRDVSKEHDSKSSFFVCVLLSH 120
 DB 62 TSSRGSDVDVAANLRETFRNLYEVRNKNDLTREIIVELMRDVSKEHDSKSSFFVCVLLSH 121
 QY 121 GEGGIIFGTNGPVDLKKITNFPFRGDRCRSLTGKPKLFIIO 160
 DB 122 GEGGIIFGTNGPVDLKKITNFPFRGDRCRSLTGKPKLFIIO 161

RESULT 4

US-10-214-932-110
 ; Sequence 110, Application US/10214932
 ; Publication No. US20030100707A1
 ; GENERAL INFORMATION:
 ; APPLICANT: HWANG, Inhwan
 ; APPLICANT: KIM, Dae Heon
 ; APPLICANT: LEE, Yong Jik
 ; TITLE OF INVENTION: SYSTEM FOR DETECTING PROTEASE
 ; FILE REFERENCE: APB02/US
 ; CURRENT APPLICATION NUMBER: US/10/214, 932
 ; FILING DATE: 2002-08-08
 ; NUMBER OF SEQ ID NOS: 133
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 110
 ; LENGTH: 147
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-214-932-110

Query Match 52.9%; Score 771; DB 15; Length 147;
 Best Local Similarity 100.0%; Pred. No. 3.6e-72;
 Matches 147; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 28 SGISIDNSYKDDYFEMGLCTIINNKQFHKSTGMTSGSDVDVAANLRETFRNLYEVRNKN 87
 DB 1 SGISIDNSYKDDYFEMGLCTIINNKQFHKSTGMTSGSDVDVAANLRETFRNLYEVRNKN 60
 QY 88 NDLTREIIVELMRDVSKEHDSKSSFFVCVLLSHGEGGIIFGTNGPVDLKKITNFPFRGDR 147
 DB 61 NDLTREIIVELMRDVSKEHDSKSSFFVCVLLSHGEGGIIFGTNGPVDLKKITNFPFRGDR 120
 QY 148 RSLTGKPKLFIIOACRGTELDGIEFD 174
 DB 121 RSLTGKPKLFIIOACRGTELDGIEFD 147

RESULT 5

US-10-214-932-112
 ; Sequence 112, Application US/10214932
 ; Publication No. US20030100707A1
 ; GENERAL INFORMATION:
 ; APPLICANT: HWANG, Inhwan
 ; APPLICANT: KIM, Dae Heon
 ; APPLICANT: LEE, Yong Jik
 ; TITLE OF INVENTION: SYSTEM FOR DETECTING PROTEASE
 ; FILE REFERENCE: APB02/US
 ; CURRENT APPLICATION NUMBER: US/10/214, 932
 ; FILING DATE: 2002-08-08
 ; NUMBER OF SEQ ID NOS: 133
 ; SOFTWARE: PatentIn version 3.1

SEQ ID NO 112
LENGTH: 102
TYPE: PRT
ORGANISM: Homo sapiens
US-10-214-932-112

Query Match 37.8%; Score 551; DB 15; Length 102;
Best Local Similarity 100.0%; Pred. No. 1.7e-49;
Matches 102; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 175 SGVDDVACRKIPVEADFLVAYSTAPGYYSWRNSKDSWFIQSLCAMLKQYADLSEPMHI 224
DB 1 SGVDDVACRKIPVEADFLVAYSTAPGYYSWRNSKDSWFIQSLCAMLKQYADLSEPMHI 60

QY 235 LTRVNRKVALEFESFSPDPTFAKKQIPCLVSMITKELFYFH 276
DB 61 LTRVNRKVALEFESFSPDPTFAKKQIPCLVSMITKELFYFH 102

RESULT 6
US-10-171-077-7
Sequence 7, Application US/10171077
Publication No. US20030022353A1

GENERAL INFORMATION:
APPLICANT: Litwack, Gerald

TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE
PROTEASE
AND COMPOSITIONS FOR MAKING AND
METHODS

NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESSES:

ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &
No. US20030022353A1r1s

STREET: One Liberty Place, 46th floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA

ZIP: 19103

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WordPerfect 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/171,077

FILING DATE: 12-Jun-2002
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/446,925

FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:

NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229

REFERENCE/DOCKET NUMBER: TTU-1508
TELECOMMUNICATION INFORMATION:

TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439

INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:

LENGTH: 204 amino acids
TYPE: amino acid

MOLECULE TYPE: protein
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-171-077-7

Query Match 28.7%; Score 418.5; DB 15; Length 204;
Best Local Similarity 43.9%; Pred. No. 2.8e-35;
Matches 82; Conservative 29; Mismatches 63; Indels 13; Gaps 1;

QY 102 VSKEDHSKRSSFVCLISHGBEGIFGTNGVDIKKITNFFRODRCRSLTGKPKLFIIOA 161

DB 14 VSTVSHADADCFVFLSHGBGNHLYAVDAKIEIQTLLGFGKGRKCHLVAKPKFIIOA 73

QY 162 CRGTETADGCI-----ETDSGVDDVACRKIPVEADFLVAYSTAPGYYSWRNS 206

DB 74 CRGNQHDVAVPLVDVVDNOTETKLDINITEVDAASVYTLPAQADFLMCYSAEGYSHRET 133

QY 209 KQGSWFIQSLCAMLKQYADKLEFMHILTRVNRKVALEFESFSPDPTFAKKQIPCLVSM 268

DB 134 VNGSWYIIDLCEMLCKYSSLSLEFTELLTVNRKVSRQREVDPCDPSAIGKQVPCFASML 193

QY 269 TKELFY 275
DB 194 TKELHF 200

RESULT 7
US-10-368-438-20
Sequence 20, Application US/10368438
Publication No. US20030219411A1

GENERAL INFORMATION:
APPLICANT: David WALLACH

Mark P. BOLDIN
Tanya M. GONCHAROV

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
AND OTHER PROTEINS

NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESSES:

ADDRESSEE: Broadway and Netmark
STREET: 419 Seventh Street N.W., Ste. 300

CITY: Washington
STATE: D.C.

COUNTRY: USA
ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/368,438

FILING DATE: 20-Feb-2003
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/983,502
FILING DATE: 16-JAN-1998

APPLICATION NUMBER: PCT/US96/10521
FILING DATE: 14-JUN-1996

APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995

APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995

APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995

APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995

APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996

ATTORNEY/AGENT INFORMATION:
NAME: Broadway, Roger L.

REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH=19

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197

TELEFAX: (202) 737-3528

INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:

LENGTH: 266 amino acids
TYPE: amino acid

STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 20:

US-10-368-438-20

Query Match 23.5%; Score 342.5; DB 12; Length 266;
 Best Local Similarity 38.0%; Pred. No. 3,3e-27;
 Matches 81; Conservative 42; Mismatches 73; Indels 17; Gaps 6;

QY 73 LRETFRNKLYEVNRKNDLTFREIIVELMRDVSKEHSSKSSFCVLLSHGEGGIFGTNG-131
 DB 57 LTTTEELHFEIKPHDDCTVEIQYILKTYQLMDHSDNDCIFCCTLSHGDKGIYGTGQ 116
 QY 132 PVDLKITNFFRGDCRSITGPKLFTIOACRGTELDGCI--ETDSG---VDDMACHK 185
 DB 117 EAPIVELTSQFTGLKCPSLAGKPKVFETIOACGDNVYQGIPEVTDSEQPYLEMDLSPQ 176
 QY 186 ---IPEVADFLYASTAGYYSWRNSKXGSMFIOSLCAMLKQYADK-LEFMHILTRYNRK 241
 DB 177 TRYIPEADFLGMATVNNCVSYRNPAGTWTYIOGLCSLRECRPGDILITLTVNVE 236
 QY 242 VATEFESFSDATFPAKKQIPCIIVSMLTKELYF 274
 DB 237 VSNK-----DDKNNMGKOMPQPTFTLRKLVF 263

RESULT 8

US-09-864-761-48728

Sequence 48728, Application US/09864761
 Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharon G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

FILE REFERENCE: Aeomica-X-1

CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: US 60/234,687

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: US 09/608,408

PRIOR FILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: US 09/774,203

PRIOR FILING DATE: 2001-01-29

NUMBER OF SEQ ID NOS: 49117
 SOFTWARE: Annotmax Sequence Listing Engine vers. 1.1

SEQ ID NO 48728

LENGTH: 167

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: MAP TO AC007256.1

OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.2

OTHER INFORMATION: EST_HUMAN HIT: BE271526.1, EVALUO 2.00e-98

OTHER INFORMATION: SWISSPROT HIT: Q14790, EVALUO 2.00e-99

US-09-864-761-48728

Query Match 21.7%; Score 316; DB 9; Length 167;
 Best Local Similarity 41.4%; Pred. No. 9.8e-25;

Matches 67; Conservative 33; Mismatches 52; Indels 10; Gaps 4;

QY 73 LRETFRNKLYEVNRKNDLTFREIIVELMRDVSKEHSSKSSFCVLLSHGEGGIFGTNG-131
 DB 2 LTTTEELHFEIKPHDDCTVEIQYILKTYQLMDHSDNDCIFCCTLSHGDKGIYGTGQ 61
 QY 132 PVDLKITNFFRGDCRSITGPKLFTIOACRGTELDGCI--ETDSG---VDDMACHK 185
 DB 62 EAPIVELTSQFTGLKCPSLAGKPKVFETIOACGDNVYQGIPEVTDSEQPYLEMDLSPQ 121
 QY 186 ---IPEVADFLYASTAGYYSWRNSKXGSMFIOSLCAMLKQ 224
 DB 122 TRYIPEADFLGMATVNNCVSYRNPAGTWTYIOGLCSLRECRPGDILITLTVNVE 163

RESULT 9

US-09-764-803A-24

Sequence 24, Application US/09764803A

Patent No. US20020034812A1

GENERAL INFORMATION:

APPLICANT: Van de Craen, Marc

APPLICANT: Declercq, Wim

APPLICANT: Vandenabeele, Peter

APPLICANT: Fiers, Walter

TITLE OF INVENTION: NEW CASPASE HOMOLOGUE

FILE REFERENCE: 2676-4661US

CURRENT APPLICATION NUMBER: US/09/764,803A

CURRENT FILING DATE: 2001-01-17

PRIOR APPLICATION NUMBER: PCT/EP99/04939

PRIOR FILING DATE: 1999-07-12

PRIOR APPLICATION NUMBER: EP 98202422.6

PRIOR FILING DATE: 1999-07-17

SOFTWARE: PatentIn version 3.0

SEQ ID NO 24

LENGTH: 242

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

NAME/KEY: misc. feature

OTHER INFORMATION: Description of Artificial Sequence: predicted (genscan progr

OTHER INFORMATION: uman caspase-1

US-09-764-803A-24

Query Match 18.8%; Score 274.5; DB 9; Length 242;
 Best Local Similarity 31.6%; Pred. No. 3.4e-20;

Matches 80; Conservative 40; Mismatches 104; Indels 29; Gaps 9;

QY 31 SDNSYKDYPMGCIITNNKGFHKSIGMTSRSGTVDANLLETFRNLKLYEVNRKNDL 90
 DB 7 NITEKYDSGARLAILLCVTK-----AREGSEDDALAHMRQLRFBSTTKRDP 56
 QY 91 TREELVELMRDVSKEHSSKSSFCV--VLLSHGEGGIFGTNGPVDIKITNFF---RG 144
 DB 57 TAECPQEELEKFOQALIDREDPVSCAFVLLMAHGREGLTKEDG--EWVKLENLFEALNN 114
 QY 145 DRCRLTKRKPLFTIOACRGTELDGCIETDSGVDDMAC---HKIPVADFLYASTAP 200

Db 115 KNCQALRAKPKVYIIQACRGEQDPG-ETVGGDEIWMVKDSPQITPTDYLHYSTVE 173
 QY 201 GYSWNSKDGWFIQSLCAMLKQYADKLEFMHILTRVNRKVATEFESFPDATHAKKO 260
 Db 174 GYIAYHDQKSGCFIQTLDVDFTK--RKGHILELLETVRRMA-EAEIVQ---EGKARKT 227
 QY 261 IPCIVSMLTRKELY 273
 Db 228 NPEIGSTLRKRLY 240

RESULT 10
 US-09-845-028-2
 ; Sequence 2, Application US/09845028
 ; Patent No. US20020081705A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Mankevich, John
 ; TITLE OF INVENTION: HUMAN CASPASE-14 COMPOSITIONS
 ; FILE REFERENCE: BBI-111
 ; CURRENT APPLICATION NUMBER: US/09/845,028
 ; CURRENT FILING DATE: 2000-04-27
 ; PRIOR APPLICATION NUMBER: 60/159,962
 ; PRIOR FILING DATE: 2000-04-27
 ; NUMBER OF SEQ ID NOS: 9
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 242
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-845-028-2

Query Match 19.8%; Score 274.5; DB 9; Length 242;
 Best Local Similarity 31.9%; Pred. No. 3.4e-20;
 Matches 80; Conservative 39; Mismatches 103; Indels 29; Gaps 9;
 QY 33 DNSYKMDYPEMGLCTIINNNKFNHSTGTSRSGTDVDAANLRETFRLKYEVRKNDLTR 92
 Db 9 EKKYDMSGARLALILCVTK-----AREGSEBDLDALEHMFRLRFEESTYKRPDTA 58
 QY 93 EEIYELMDVSKEDHSKRSSFVC---VLSHGEEGIIFGTNGPYDLKKTNFF---RGDR 146
 Db 59 EGFQEELEKFOQALDSREDPVSCAFVVLMAHGREGLKGEDG--EWVKLENLFELANNK 116
 QY 147 CRSLTGKPKLFIQACRGTLEDGIEFDSGVDDMAC---HKIPVADFLYASTAPGY 202
 Db 117 COALRAKPKVYIIQACRGEQDPG-ETVGGDEIWMVKDSPQITPTDYLHYSTVEGY 175
 QY 203 YSWNSKDGWFIQSLCAMLKQYADKLEFMHILTRVNRKVATEFESFPDATHAKKOIP 262
 Db 176 IAYRHQKSGCFIQTLDVDFTK--RKGHILELLETVRRMA-EAEIVQ---EGKARKTNP 229
 QY 263 CIVSMLTRKELY 273
 Db 230 EIGSTLRKRLY 240

RESULT 11
 US-09-845-028-9
 ; Sequence 9, Application US/09845028
 ; Patent No. US20020081705A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Mankevich, John
 ; TITLE OF INVENTION: HUMAN CASPASE-14 COMPOSITIONS
 ; FILE REFERENCE: BBI-111
 ; CURRENT APPLICATION NUMBER: US/09/845,028
 ; CURRENT FILING DATE: 2000-04-27
 ; PRIOR APPLICATION NUMBER: 60/159,962
 ; PRIOR FILING DATE: 2000-04-27
 ; NUMBER OF SEQ ID NOS: 9
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 9
 ; LENGTH: 242
 ; TYPE: PRT

ORGANISM: Homo sapiens
 US-09-845-028-9

Query Match 18.8%; Score 274.5; DB 9; Length 242;
 Best Local Similarity 31.6%; Pred. No. 3.4e-20;
 Matches 80; Conservative 40; Mismatches 104; Indels 29; Gaps 9;
 QY 31 SLDNSYKMDYPEMGLCTIINNNKFNHSTGTSRSGTDVDAANLRETFRLKYEVRKNDLTR 90
 Db 7 NITEKYDMSGARLALILCVTK-----AREGSEBDLDALEHMFRLRFEESTYKRPDTA 56
 QY 91 TREIYELMDVSKEDHSKRSSFVC---VLSHGEEGIIFGTNGPYDLKKTNFF---RG 144
 Db 57 TAEQFEELEKFOQALDSREDPVSCAFVVLMAHGREGLKGEDG--EWVKLENLFELANNK 114
 QY 145 DRCRSLTGKPKLFIQACRGTLEDGIEFDSGVDDMAC---HKIPVADFLYASTAP 200
 Db 115 KNCQALRAKPKVYIIQACRGEQDPG-ETVGGDEIWMVKDSPQITPTDYLHYSTVE 173
 QY 201 GYSWNSKDGWFIQSLCAMLKQYADKLEFMHILTRVNRKVATEFESFPDATHAKKO 260
 Db 174 GYIAYHDQKSGCFIQTLDVDFTK--RKGHILELLETVRRMA-EAEIVQ---EGKARKT 227
 QY 261 IPCIVSMLTRKELY 273
 Db 228 NPEIGSTLRKRLY 240

RESULT 12
 US-09-851-873-105
 ; Sequence 105, Application US/09851873
 ; Publication No. US20030165488A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kietzen, Rolf F
 ; APPLICANT: Reardon, Irene M
 ; TITLE OF INVENTION: HUMAN CASPASE-12 MATERIALS AND METHODS
 ; FILE REFERENCE: 28341/00233
 ; CURRENT APPLICATION NUMBER: US/09/851,873
 ; CURRENT FILING DATE: 2001-05-08
 ; NUMBER OF SEQ ID NOS: 105
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 105
 ; LENGTH: 242
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-851-873-105

Query Match 18.8%; Score 274.5; DB 12; Length 242;
 Best Local Similarity 31.9%; Pred. No. 3.4e-20;
 Matches 80; Conservative 39; Mismatches 103; Indels 29; Gaps 9;

QY 33 DNSYKMDYPEMGLCTIINNNKFNHSTGTSRSGTDVDAANLRETFRLKYEVRKNDLTR 92
 Db 9 EKKYDMSGARLALILCVTK-----AREGSEBDLDALEHMFRLRFEESTYKRPDTA 58
 QY 93 EEIYELMDVSKEDHSKRSSFVC---VLSHGEEGIIFGTNGPYDLKKTNFF---RGDR 146
 Db 59 EGFQEELEKFOQALDSREDPVSCAFVVLMAHGREGLKGEDG--EWVKLENLFELANNK 116
 QY 147 CRSLTGKPKLFIQACRGTLEDGIEFDSGVDDMAC---HKIPVADFLYASTAPGY 202
 Db 117 COALRAKPKVYIIQACRGEQDPG-ETVGGDEIWMVKDSPQITPTDYLHYSTVEGY 175
 QY 203 YSWNSKDGWFIQSLCAMLKQYADKLEFMHILTRVNRKVATEFESFPDATHAKKOIP 262
 Db 176 IAYRHQKSGCFIQTLDVDFTK--RKGHILELLETVRRMA-EAEIVQ---EGKARKTNP 229
 QY 263 CIVSMLTRKELY 273
 Db 230 EIGSTLRKRLY 240

RESULT 13

US-09-764-803A-2
 ; Sequence 2, Application US/09764803A
 ; Patent No. US20020034812A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Van de Craen, Marc
 ; APPLICANT: Declercq, Wim
 ; APPLICANT: Vandenabeele, Peter
 ; APPLICANT: Fiers, Walter
 ; TITLE OF INVENTION: NEW CASPASE HOMOLOGUE
 ; FILE REFERENCE: 2676-4661US
 ; CURRENT APPLICATION NUMBER: US/09/764, 803A
 ; CURRENT FILING DATE: 2001-01-17
 ; PRIOR APPLICATION NUMBER: PCT/EP99/04939
 ; PRIOR FILING DATE: 1999-07-12
 ; PRIOR APPLICATION NUMBER: EP 9820242.6
 ; PRIOR FILING DATE: 1999-07-17
 ; NUMBER OF SEQ ID NOS: 24
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO: 2
 ; LENGTH: 257
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 US-09-764-803A-2

Query Match

18.8%; Score 274; DB 9; Length 257;
 Best Local Similarity 31.5%; Pred. No. 4.2e-20;
 Matches 86; Conservative 41; Mismatches 104; Indels 42; Gaps 10;

QY 23 SESMDSGISLDSNYKMDYFPMGLCTIINNKNFHKSTGMTSSGTDVDAANLRETFRNLY 82
 DB 3 SEMSDPQPLQEEERYMNGARLALTLCVTK-----AREGSEVDMEALERMYRLKF 52
 QY 83 EVRNKNDLTR-----EEIVELMDVSKEDHSKRSSFVCLLSHGEGIIFGTNGP-VDLKK 137
 DB 53 ESTMKRDPPLAQGFLELDEPQOTIDNWEPEVSCAFV-VLMHAGEGLLKGDEKAVRLD 111
 QY 138 ITNFRGDRCSRLTKPKLFTIIQACRGTELDGIE---TDSGVD-----DDMACRK-- 185
 DB 112 LFEVLNNKCKALRKPKYIIQACRGHRDPGEBELRGNEELGDEELGDEAVLKNP 174
 QY 186 --IPVADFLVYASTAPGYSWRNKDSGSMFISLCL-AMLKQYADKLEFMIILTRV--NR 240
 DB 172 OSIPTYDTLHLYSTVEGLSYRHDKSGSGFTQITDVFHKKGSILELTFEITRLMANT 231
 QY 241 KYATEFESFSDATFHAKKQIPIVSMULTKELY 273
 DB 232 EVMQEGK-----PRKVNPEVQSTLRKKLY 255

RESULT 14

US-09-989-903-2
 ; Sequence 2, Application US/09989903
 ; Patent No. US20020146804A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Alnemri, Emad S.
 ; APPLICANT: Fernandez-Alnemri, Teresa
 ; TITLE OF INVENTION: CASPASE-14, AN APOPTOTIC PROTEASE, NUCLEIC ACID ENCODING
 ; FILE REFERENCE: 480140.434D1
 ; CURRENT APPLICATION NUMBER: US/09/989, 903
 ; CURRENT FILING DATE: 2002-04-11
 ; NUMBER OF SEQ ID NOS: 78
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 2
 ; LENGTH: 260
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 US-09-989-903-2

Query Match
 Best Local Similarity 31.5%; Score 274; DB 10; Length 260;
 Matches 86; Conservative 41; Mismatches 104; Indels 42; Gaps 10;

QY 23 SESMDSGISLDSNYKMDYFPMGLCTIINNKNFHKSTGMTSSGTDVDAANLRETFRNLY 82
 DB 6 SEMSDPQPLQEEERYMNGARLALTLCVTK-----AREGSEVDMEALERMYRLKF 55
 QY 83 EVRNKNDLTR-----EEIVELMDVSKEDHSKRSSFVCLLSHGEGIIFGTNGP-VDLKK 137
 DB 56 ESTMKRDPPLAQGFLELDEPQOTIDNWEPEVSCAFV-VLMHAGEGLLKGDEKAVRLD 114
 QY 138 ITNFRGDRCSRLTKPKLFTIIQACRGTELDGIE---TDSGVD-----DDMACRK-- 185
 DB 115 LFEVLNNKCKALRKPKYIIQACRGHRDPGEBELRGNEELGDEELGDEAVLKNP 174
 QY 186 --IPVADFLVYASTAPGYSWRNKDSGSMFISLCL-AMLKQYADKLEFMIILTRV--NR 240
 DB 175 OSIPTYDTLHLYSTVEGLSYRHDKSGSGFTQITDVFHKKGSILELTFEITRLMANT 234
 QY 241 KYATEFESFSDATFHAKKQIPIVSMULTKELY 273
 DB 235 EVMQEGK-----PRKVNPEVQSTLRKKLY 258

RESULT 15

US-10-068-564-2
 ; Sequence 2, Application US/10068564
 ; Publication No. US20030040096A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Alnemri, Emad S.
 ; APPLICANT: Fernandez-Alnemri, Teresa
 ; TITLE OF INVENTION: CASPASE-14, AN APOPTOTIC PROTEASE, NUCLEIC ACID ENCODING
 ; FILE REFERENCE: 480140.434C2
 ; CURRENT APPLICATION NUMBER: US/10/068, 564
 ; CURRENT FILING DATE: 2002-02-05
 ; NUMBER OF SEQ ID NOS: 78
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 2
 ; LENGTH: 260
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 US-10-068-564-2

Query Match
 Best Local Similarity 31.5%; Score 274; DB 15; Length 260;
 Matches 86; Conservative 41; Mismatches 104; Indels 42; Gaps 10;

QY 23 SESMDSGISLDSNYKMDYFPMGLCTIINNKNFHKSTGMTSSGTDVDAANLRETFRNLY 82
 DB 6 SEMSDPQPLQEEERYMNGARLALTLCVTK-----AREGSEVDMEALERMYRLKF 55
 QY 83 EVRNKNDLTR-----EEIVELMDVSKEDHSKRSSFVCLLSHGEGIIFGTNGP-VDLKK 137
 DB 56 ESTMKRDPPLAQGFLELDEPQOTIDNWEPEVSCAFV-VLMHAGEGLLKGDEKAVRLD 114
 QY 138 ITNFRGDRCSRLTKPKLFTIIQACRGTELDGIE---TDSGVD-----DDMACRK-- 185
 DB 115 LFEVLNNKCKALRKPKYIIQACRGHRDPGEBELRGNEELGDEELGDEAVLKNP 174
 QY 186 --IPVADFLVYASTAPGYSWRNKDSGSMFISLCL-AMLKQYADKLEFMIILTRV--NR 240
 DB 175 OSIPTYDTLHLYSTVEGLSYRHDKSGSGFTQITDVFHKKGSILELTFEITRLMANT 234
 QY 241 KYATEFESFSDATFHAKKQIPIVSMULTKELY 273
 DB 235 EVMQEGK-----PRKVNPEVQSTLRKKLY 258

Search completed: December 29, 2003, 16:46:52
 Job time: 33 secs